

# Cambridge

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |   | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--|------------|------------|------------|---|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b>                       |            |            |            | <b><u>Melanoma of Skin</u></b>              |            |            |            |
| Male   | 44.57      | 32         | 72         | Male  | 34.37      | 35         | 102        |
| Female   | 20.61      | 19         | 92         | Female                                      | 30.78      | 16         | 52 ~-      |
| Total  | 65.18      | 51         | 78         | Total                                       | 65.15      | 51         | 78         |
| <b><u>Brain and Other Central Nervous System</u></b> |            |            |            | <b><u>Multiple Myeloma</u></b>              |            |            |            |
| Male   | 16.09      | 15         | 93         | Male  | 8.78       | 12         | 137        |
| Female   | 13.92      | 10         | 72         | Female                                      | 9.13       | 9          | 99         |
| Total  | 30.01      | 25         | 83         | Total                                       | 17.91      | 21         | 117        |
| <b><u>Breast</u></b>                                 |            |            |            | <b><u>Non-Hodgkin('s) Lymphoma</u></b>      |            |            |            |
| Male   | 2.14       | 5          | 234        | Male  | 41.51      | 27         | 65 #-      |
| Female   | 338.80     | 334        | 99         | Female                                      | 40.61      | 38         | 94         |
| Total  | 340.95     | 339        | 99         | Total                                       | 82.12      | 65         | 79         |
| <b><u>Cervix Uteri</u></b>                           |            |            |            | <b><u>Oral Cavity and Pharynx</u></b>       |            |            |            |
| Female   | 22.53      | 18         | 80         | Male  | 29.95      | 24         | 80         |
|  |            |            |            | Female                                      | 16.54      | 15         | 91         |
|  |            |            |            | Total                                       | 46.49      | 39         | 84         |
| <b><u>Colon / Rectum</u></b>                         |            |            |            | <b><u>Ovary</u></b>                         |            |            |            |
| Male   | 111.62     | 97         | 87         | Female                                      | 40.40      | 40         | 99         |
| Female   | 130.10     | 115        | 88         |   |            |            |            |
| Total  | 241.72     | 212        | 88         |   |            |            |            |
| <b><u>Esophagus</u></b>                              |            |            |            | <b><u>Pancreas</u></b>                      |            |            |            |
| Male   | 16.17      | 14         | 87         | Male  | 18.96      | 16         | 84         |
| Female   | 6.28       | 5          | 80         | Female                                      | 23.60      | 21         | 89         |
| Total  | 22.45      | 19         | 85         | Total                                       | 42.56      | 37         | 87         |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b>   |            |            |            | <b><u>Prostate</u></b>                      |            |            |            |
| Male   | 10.32      | 10         | 97         | Male  | 268.77     | 296        | 110        |
| Female   | 8.20       | 7          | 85         |   |            |            |            |
| Total  | 18.52      | 17         | 92         |   |            |            |            |
| <b><u>Kidney and Renal Pelvis</u></b>                |            |            |            | <b><u>Stomach</u></b>                       |            |            |            |
| Male   | 27.85      | 20         | 72         | Male  | 19.26      | 19         | 99         |
| Female   | 19.85      | 15         | 76         | Female                                      | 14.44      | 14         | 97         |
| Total  | 47.71      | 35         | 73         | Total                                       | 33.70      | 33         | 98         |
| <b><u>Larynx</u></b>                                 |            |            |            | <b><u>Testis</u></b>                        |            |            |            |
| Male   | 15.30      | 12         | 78         | Male  | 18.62      | 12         | 64         |
| Female   | 4.37       | 4          | NC*        |   |            |            |            |
| Total  | 19.67      | 16         | 81         |   |            |            |            |
| <b><u>Leukemia</u></b>                               |            |            |            | <b><u>Thyroid</u></b>                       |            |            |            |
| Male   | 23.20      | 14         | 60         | Male  | 8.19       | 11         | 134        |
| Female   | 20.50      | 17         | 83         | Female                                      | 23.99      | 26         | 108        |
| Total  | 43.70      | 31         | 71         | Total                                       | 32.18      | 37         | 115        |
| <b><u>Liver and Intrahepatic Bile Ducts</u></b>      |            |            |            | <b><u>Uteri, Corpus and Uterus, NOS</u></b> |            |            |            |
| Male   | 10.72      | 12         | 112        | Female                                      | 62.61      | 55         | 88         |
| Female   | 5.16       | 6          | 116        |   |            |            |            |
| Total  | 15.88      | 18         | 113        |   |            |            |            |
| <b><u>Lung and Bronchus</u></b>                      |            |            |            | <b><u>All Sites / Types</u></b>             |            |            |            |
| Male   | 140.27     | 120        | 86         | Male  | 933.68     | 866        | 93 #-      |
| Female   | 132.44     | 100        | 76 ~-      | Female                                      | 1062.63    | 960        | 90 ~-      |
| Total  | 272.71     | 220        | 81 ~-      | Total                                       | 1996.31    | 1826       | 91 ~-      |

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Canton

### Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--|------------|------------|------------|--|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b>                       |            |            |            | <b><u>Melanoma of Skin</u></b>         |            |            |            |
| Male   | 11.92      | 14         | 117        | Male                                   | 8.50       | 7          | 82         |
| Female   | 4.81       | 10         | 208        | Female                                 | 6.86       | 6          | 87         |
| Total  | 16.73      | 24         | 143        | Total                                  | 15.37      | 13         | 85         |
| <b><u>Brain and Other Central Nervous System</u></b> |            |            |            | <b><u>Multiple Myeloma</u></b>         |            |            |            |
| Male   | 3.90       | 5          | 128        | Male                                   | 2.42       | 2          | NC*        |
| Female   | 3.27       | 5          | 153        | Female                                 | 2.26       | 3          | NC*        |
| Total  | 7.17       | 10         | 140        | Total                                  | 4.67       | 5          | 107        |
| <b><u>Breast</u></b>                                 |            |            |            | <b><u>Non-Hodgkin('s) Lymphoma</u></b> |            |            |            |
| Male   | 0.59       | 0          | NC*        | Male                                   | 10.12      | 9          | 89         |
| Female   | 82.91      | 94         | 113        | Female                                 | 9.55       | 17         | 178 #+     |
| Total  | 83.50      | 94         | 113        | Total                                  | 19.67      | 26         | 132        |
| <b><u>Cervix Uteri</u></b>                           |            |            |            | <b><u>Oral Cavity and Pharynx</u></b>  |            |            |            |
| Female   | 4.75       | 3          | NC*        | Male                                   | 8.11       | 2          | NC*        |
|  |            |            |            | Female                                 | 4.02       | 3          | NC*        |
|  |            |            |            | Total                                  | 12.13      | 5          | 41 #-      |
| <b><u>Colon / Rectum</u></b>                         |            |            |            | <b><u>Ovary</u></b>                    |            |            |            |
| Male   | 30.03      | 33         | 110        | Female                                 | 9.68       | 11         | 114        |
| Female   | 30.13      | 49         | 163 ~+     |  |            |            |            |
| Total  | 60.16      | 82         | 136 ~+     |  |            |            |            |
| <b><u>Esophagus</u></b>                              |            |            |            | <b><u>Pancreas</u></b>                 |            |            |            |
| Male   | 4.56       | 5          | 110        | Male                                   | 5.15       | 4          | NC*        |
| Female   | 1.47       | 5          | 341 #+     | Female                                 | 5.61       | 7          | 125        |
| Total  | 6.03       | 10         | 166        | Total                                  | 10.76      | 11         | 102        |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b>   |            |            |            | <b><u>Prostate</u></b>                 |            |            |            |
| Male   | 1.97       | 4          | NC*        | Male                                   | 79.11      | 113        | 143 ^+     |
| Female   | 1.58       | 1          | NC*        |  |            |            |            |
| Total  | 3.55       | 5          | 141        |  |            |            |            |
| <b><u>Kidney and Renal Pelvis</u></b>                |            |            |            | <b><u>Stomach</u></b>                  |            |            |            |
| Male   | 7.55       | 11         | 146        | Male                                   | 5.05       | 3          | NC*        |
| Female   | 4.93       | 4          | NC*        | Female                                 | 3.21       | 4          | NC*        |
| Total  | 12.47      | 15         | 120        | Total                                  | 8.27       | 7          | 85         |
| <b><u>Larynx</u></b>                                 |            |            |            | <b><u>Testis</u></b>                   |            |            |            |
| Male   | 4.38       | 3          | NC*        | Male                                   | 3.04       | 1          | NC*        |
| Female   | 1.17       | 1          | NC*        |  |            |            |            |
| Total  | 5.55       | 4          | NC*        |  |            |            |            |
| <b><u>Leukemia</u></b>                               |            |            |            | <b><u>Thyroid</u></b>                  |            |            |            |
| Male   | 5.84       | 10         | 171        | Male                                   | 1.77       | 1          | NC*        |

|        |       |    |        |
|--------|-------|----|--------|
| Female | 4.77  | 11 | 231 #+ |
| Total  | 10.61 | 21 | 198 ~+ |

#### Liver and Intrahepatic Bile Ducts

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.93 | 2 | NC* |
| Female | 1.24 | 1 | NC* |
| Total  | 4.17 | 3 | NC* |

#### Lung and Bronchus

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 39.73 | 38 | 96  |
| Female | 34.14 | 41 | 120 |
| Total  | 73.86 | 79 | 107 |

|        |      |   |     |
|--------|------|---|-----|
| Female | 4.84 | 7 | 145 |
| Total  | 6.61 | 8 | 121 |

#### Uteri, Corpus and Uterus, NOS

|        |       |    |    |
|--------|-------|----|----|
| Female | 16.17 | 16 | 99 |
|--------|-------|----|----|

#### All Sites / Types

|        |        |     |        |
|--------|--------|-----|--------|
| Male   | 253.24 | 277 | 109    |
| Female | 255.10 | 322 | 126 ^+ |
| Total  | 508.34 | 599 | 118 ^+ |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Carlisle

### Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|                                | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--------------------------------|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b> |            |            |            |
| Male                           | 2.89       | 1          | NC*        |
| Female                         | 0.83       | 0          | NC*        |
| Total                          | 3.72       | 1          | NC*        |

#### **Brain and Other Central Nervous System**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.94 | 2 | NC* |
| Female | 0.64 | 1 | NC* |
| Total  | 1.58 | 3 | NC* |

#### **Breast**

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 0.15  | 0  | NC* |
| Female | 17.85 | 16 | 90  |
| Total  | 18.00 | 16 | 89  |

#### **Cervix Uteri**

|        |      |   |     |
|--------|------|---|-----|
| Female | 0.98 | 0 | NC* |
|--------|------|---|-----|

#### **Colon / Rectum**

|        |       |   |     |
|--------|-------|---|-----|
| Male   | 7.32  | 1 | NC* |
| Female | 5.13  | 3 | NC* |
| Total  | 12.45 | 4 | NC* |

#### **Esophagus**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 1.20 | 0 | NC* |
| Female | 0.25 | 0 | NC* |
| Total  | 1.45 | 0 | NC* |

#### **Hodgkin's Disease (Hodgkin Lymphoma)**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.39 | 0 | NC* |
| Female | 0.28 | 1 | NC* |

#### **Melanoma of Skin**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.09 | 0 | NC* |
| Female | 1.40 | 3 | NC* |
| Total  | 3.49 | 3 | NC* |

#### **Multiple Myeloma**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.61 | 0 | NC* |
| Female | 0.43 | 0 | NC* |
| Total  | 1.04 | 0 | NC* |

#### **Non-Hodgkin('s) Lymphoma**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.43 | 1 | NC* |
| Female | 1.76 | 0 | NC* |
| Total  | 4.19 | 1 | NC* |

#### **Oral Cavity and Pharynx**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.16 | 2 | NC* |
| Female | 0.82 | 1 | NC* |
| Total  | 2.98 | 3 | NC* |

#### **Ovary**

|        |      |   |     |
|--------|------|---|-----|
| Female | 2.05 | 1 | NC* |
|--------|------|---|-----|

#### **Pancreas**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 1.30 | 2 | NC* |
| Female | 0.97 | 1 | NC* |
| Total  | 2.28 | 3 | NC* |

#### **Prostate**

|      |       |    |    |
|------|-------|----|----|
| Male | 20.43 | 13 | 64 |
|------|-------|----|----|

|   |       |   |     |   |        |    |       |
|---|-------|---|-----|---|--------|----|-------|
| Total   | 0.67  | 1 | NC* |   |        |    |       |
| <b><u>Kidney and Renal Pelvis</u></b>           |       |   |     | <b><u>Stomach</u></b>                       |        |    |       |
| Male  | 1.93  | 1 | NC* | Male  | 1.26   | 1  | NC*   |
| Female  | 0.98  | 1 | NC* | Female                                      | 0.54   | 0  | NC*   |
| Total   | 2.92  | 2 | NC* | Total                                       | 1.80   | 1  | NC*   |
| <b><u>Larynx</u></b>                            |       |   |     | <b><u>Testis</u></b>                        |        |    |       |
| Male  | 1.17  | 0 | NC* | Male  | 0.49   | 0  | NC*   |
| Female  | 0.25  | 0 | NC* |   |        |    |       |
| Total   | 1.42  | 0 | NC* |   |        |    |       |
| <b><u>Leukemia</u></b>                          |       |   |     | <b><u>Thyroid</u></b>                       |        |    |       |
| Male  | 1.39  | 1 | NC* | Male  | 0.41   | 0  | NC*   |
| Female  | 0.92  | 1 | NC* | Female                                      | 0.97   | 4  | NC*   |
| Total   | 2.32  | 2 | NC* | Total                                       | 1.39   | 4  | NC*   |
| <b><u>Liver and Intrahepatic Bile Ducts</u></b> |       |   |     | <b><u>Uteri, Corpus and Uterus, NOS</u></b> |        |    |       |
| Male  | 0.76  | 0 | NC* |   |        |    |       |
| Female  | 0.22  | 0 | NC* | Female                                      | 3.56   | 1  | NC*   |
| Total   | 0.98  | 0 | NC* |   |        |    |       |
| <b><u>Lung and Bronchus</u></b>                 |       |   |     | <b><u>All Sites / Types</u></b>             |        |    |       |
| Male  | 9.94  | 2 | NC* | Male  | 63.15  | 35 | 55 ^- |
| Female  | 6.63  | 1 | NC* | Female                                      | 50.70  | 35 | 69 #- |
| Total   | 16.57 | 3 | NC* | Total                                       | 113.84 | 70 | 61 ^- |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Carver

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--|------------|------------|------------|--|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b>                       |            |            |            | <b><u>Melanoma of Skin</u></b>         |            |            |            |
| Male   | 7.57       | 12         | 158        | Male                                   | 4.94       | 6          | 121        |
| Female   | 2.85       | 5          | 175        | Female                                 | 3.73       | 8          | 215        |
| Total  | 10.43      | 17         | 163        | Total                                  | 8.67       | 14         | 162        |
| <b><u>Brain and Other Central Nervous System</u></b> |            |            |            | <b><u>Multiple Myeloma</u></b>         |            |            |            |
| Male   | 2.19       | 0          | NC*        | Male                                   | 1.48       | 2          | NC*        |
| Female   | 1.83       | 1          | NC*        | Female                                 | 1.30       | 1          | NC*        |
| Total  | 4.01       | 1          | NC*        | Total                                  | 2.78       | 3          | NC*        |
| <b><u>Breast</u></b>                                 |            |            |            | <b><u>Non-Hodgkin('s) Lymphoma</u></b> |            |            |            |
| Male   | 0.35       | 0          | NC*        | Male                                   | 5.99       | 10         | 167        |
| Female   | 45.26      | 32         | 71 #-      | Female                                 | 5.46       | 6          | 110        |
| Total  | 45.61      | 32         | 70 #-      | Total                                  | 11.45      | 16         | 140        |
| <b><u>Cervix Uteri</u></b>                           |            |            |            | <b><u>Oral Cavity and Pharynx</u></b>  |            |            |            |
| Female   | 2.48       | 0          | NC*        | Male                                   | 4.65       | 10         | 215 #+     |
|  |            |            |            | Female                                 | 2.25       | 2          | NC*        |
|  |            |            |            | Total                                  | 6.90       | 12         | 174        |

**Colon / Rectum**

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 18.61 | 13 | 70  |
| Female | 18.00 | 22 | 122 |
| Total  | 36.62 | 35 | 96  |

**Esophagus**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.66 | 4 | NC* |
| Female | 0.87 | 1 | NC* |
| Total  | 3.53 | 5 | 141 |

**Hodgkin's Disease (Hodgkin Lymphoma)**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 1.04 | 2 | NC* |
| Female | 0.85 | 1 | NC* |
| Total  | 1.89 | 3 | NC* |

**Kidney and Renal Pelvis**

|        |      |    |     |
|--------|------|----|-----|
| Male   | 4.41 | 6  | 136 |
| Female | 2.77 | 4  | NC* |
| Total  | 7.17 | 10 | 139 |

**Larynx**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.48 | 5 | 202 |
| Female | 0.64 | 2 | NC* |
| Total  | 3.11 | 7 | 225 |

**Leukemia**

|        |      |    |     |
|--------|------|----|-----|
| Male   | 3.56 | 5  | 140 |
| Female | 2.76 | 5  | 181 |
| Total  | 6.33 | 10 | 158 |

**Liver and Intrahepatic Bile Ducts**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 1.69 | 1 | NC* |
| Female | 0.72 | 0 | NC* |
| Total  | 2.42 | 1 | NC* |

**Lung and Bronchus**

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 23.22 | 22 | 95  |
| Female | 19.25 | 28 | 145 |
| Total  | 42.47 | 50 | 118 |

**Ovary**

|        |      |   |     |
|--------|------|---|-----|
| Female | 5.27 | 3 | NC* |
|--------|------|---|-----|

**Pancreas**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 3.14 | 2 | NC* |
| Female | 3.30 | 5 | 151 |
| Total  | 6.44 | 7 | 109 |

**Prostate**

|      |       |    |     |
|------|-------|----|-----|
| Male | 44.79 | 45 | 100 |
|------|-------|----|-----|

**Stomach**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 3.20 | 3 | NC* |
| Female | 1.92 | 2 | NC* |
| Total  | 5.12 | 5 | 98  |

**Testis**

|      |      |   |     |
|------|------|---|-----|
| Male | 1.49 | 1 | NC* |
|------|------|---|-----|

**Thyroid**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.94 | 1 | NC* |
| Female | 2.51 | 2 | NC* |
| Total  | 3.45 | 3 | NC* |

**Uteri, Corpus and Uterus, NOS**

|        |      |   |    |
|--------|------|---|----|
| Female | 8.83 | 6 | 68 |
|--------|------|---|----|

**All Sites / Types**

|        |        |     |     |
|--------|--------|-----|-----|
| Male   | 148.61 | 172 | 116 |
| Female | 143.28 | 147 | 103 |
| Total  | 291.90 | 319 | 109 |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

**Charlemon**

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |                                | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--|------------|------------|------------|--------------------------------|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b>                       |            |            |            | <b><u>Melanoma of Skin</u></b> |            |            |            |
| Male   | 0.88       | 1          | NC*        | Male                           | 0.58       | 0          | NC*        |
| Female   | 0.29       | 1          | NC*        | Female                         | 0.41       | 0          | NC*        |
| Total  | 1.18       | 2          | NC*        | Total                          | 0.99       | 0          | NC*        |
| <b><u>Brain and Other Central Nervous System</u></b> |            |            |            | <b><u>Multiple Myeloma</u></b> |            |            |            |

|   |      |   |     |                                      |       |    |     |
|---|------|---|-----|--------------------------------------|-------|----|-----|
| Male  | 0.26 | 0 | NC* | Male                                 | 0.18  | 1  | NC* |
| Female                                      | 0.19 | 0 | NC* | Female                               | 0.14  | 0  | NC* |
| Total                                       | 0.45 | 0 | NC* | Total                                | 0.31  | 1  | NC* |
| <b>Breast</b>                               |      |   |     | <b>Non-Hodgkin('s) Lymphoma</b>      |       |    |     |
| Male  | 0.04 | 0 | NC* | Male                                 | 0.70  | 0  | NC* |
| Female                                      | 4.99 | 6 | 120 | Female                               | 0.57  | 0  | NC* |
| Total                                       | 5.03 | 6 | 119 | Total                                | 1.27  | 0  | NC* |
| <b>Cervix Uteri</b>                         |      |   |     | <b>Oral Cavity and Pharynx</b>       |       |    |     |
| Female                                      | 0.27 | 0 | NC* | Male                                 | 0.56  | 0  | NC* |
|   |      |   |     | Female                               | 0.24  | 1  | NC* |
|   |      |   |     | Total                                | 0.81  | 1  | NC* |
| <b>Colon / Rectum</b>                       |      |   |     | <b>Ovary</b>                         |       |    |     |
| Male  | 2.20 | 2 | NC* | Female                               | 0.58  | 0  | NC* |
| Female                                      | 1.83 | 5 | 273 |                                      |       |    |     |
| Total                                       | 4.03 | 7 | 174 |                                      |       |    |     |
| <b>Esophagus</b>                            |      |   |     | <b>Pancreas</b>                      |       |    |     |
| Male  | 0.33 | 0 | NC* | Male                                 | 0.37  | 2  | NC* |
| Female                                      | 0.09 | 0 | NC* | Female                               | 0.34  | 0  | NC* |
| Total                                       | 0.41 | 0 | NC* | Total                                | 0.71  | 2  | NC* |
| <b>Hodgkin's Disease (Hodgkin Lymphoma)</b> |      |   |     | <b>Prostate</b>                      |       |    |     |
| Male  | 0.12 | 0 | NC* | Male                                 | 5.64  | 4  | NC* |
| Female                                      | 0.09 | 0 | NC* |                                      |       |    |     |
| Total                                       | 0.21 | 0 | NC* |                                      |       |    |     |
| <b>Kidney and Renal Pelvis</b>              |      |   |     | <b>Stomach</b>                       |       |    |     |
| Male  | 0.53 | 0 | NC* | Male                                 | 0.37  | 0  | NC* |
| Female                                      | 0.30 | 0 | NC* | Female                               | 0.20  | 0  | NC* |
| Total                                       | 0.83 | 0 | NC* | Total                                | 0.57  | 0  | NC* |
| <b>Larynx</b>                               |      |   |     | <b>Testis</b>                        |       |    |     |
| Male  | 0.31 | 1 | NC* | Male                                 | 0.16  | 1  | NC* |
| Female                                      | 0.07 | 0 | NC* |                                      |       |    |     |
| Total                                       | 0.38 | 1 | NC* |                                      |       |    |     |
| <b>Leukemia</b>                             |      |   |     | <b>Thyroid</b>                       |       |    |     |
| Male  | 0.41 | 1 | NC* | Male                                 | 0.11  | 0  | NC* |
| Female                                      | 0.30 | 0 | NC* | Female                               | 0.27  | 0  | NC* |
| Total                                       | 0.71 | 1 | NC* | Total                                | 0.38  | 0  | NC* |
| <b>Liver and Intrahepatic Bile Ducts</b>    |      |   |     | <b>Uteri, Corpus and Uterus, NOS</b> |       |    |     |
| Male  | 0.21 | 0 | NC* | Female                               | 0.98  | 1  | NC* |
| Female                                      | 0.08 | 0 | NC* |                                      |       |    |     |
| Total                                       | 0.28 | 0 | NC* |                                      |       |    |     |
| <b>Lung and Bronchus</b>                    |      |   |     | <b>All Sites / Types</b>             |       |    |     |
| Male  | 2.86 | 3 | NC* | Male                                 | 18.01 | 17 | 94  |
| Female                                      | 2.01 | 5 | 249 | Female                               | 15.30 | 21 | 137 |
| Total                                       | 4.86 | 8 | 165 | Total                                | 33.31 | 38 | 114 |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Charlton

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |   | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--|------------|------------|------------|---|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b>                       |            |            |            | <b><u>Melanoma of Skin</u></b>              |            |            |            |
| Male   | 4.80       | 8          | 167        | Male  | 3.88       | 2          | NC*        |
| Female   | 1.61       | 1          | NC*        | Female                                      | 2.98       | 4          | NC*        |
| Total  | 6.41       | 9          | 140        | Total                                       | 6.86       | 6          | 87         |
| <b><u>Brain and Other Central Nervous System</u></b> |            |            |            | <b><u>Multiple Myeloma</u></b>              |            |            |            |
| Male   | 1.91       | 4          | NC*        | Male  | 1.02       | 2          | NC*        |
| Female   | 1.42       | 2          | NC*        | Female                                      | 0.78       | 0          | NC*        |
| Total  | 3.33       | 6          | 180        | Total                                       | 1.80       | 2          | NC*        |
| <b><u>Breast</u></b>                                 |            |            |            | <b><u>Non-Hodgkin('s) Lymphoma</u></b>      |            |            |            |
| Male   | 0.25       | 0          | NC*        | Male  | 4.60       | 5          | 109        |
| Female   | 33.02      | 45         | 136        | Female                                      | 3.54       | 6          | 170        |
| Total  | 33.27      | 45         | 135        | Total                                       | 8.14       | 11         | 135        |
| <b><u>Cervix Uteri</u></b>                           |            |            |            | <b><u>Oral Cavity and Pharynx</u></b>       |            |            |            |
| Female   | 2.25       | 0          | NC*        | Male  | 3.71       | 2          | NC*        |
|  |            |            |            | Female                                      | 1.53       | 1          | NC*        |
|  |            |            |            | Total                                       | 5.24       | 3          | NC*        |
| <b><u>Colon / Rectum</u></b>                         |            |            |            | <b><u>Ovary</u></b>                         |            |            |            |
| Male   | 12.19      | 14         | 115        | Female                                      | 3.96       | 2          | NC*        |
| Female   | 10.05      | 12         | 119        |   |            |            |            |
| Total  | 22.24      | 26         | 117        |   |            |            |            |
| <b><u>Esophagus</u></b>                              |            |            |            | <b><u>Pancreas</u></b>                      |            |            |            |
| Male   | 1.96       | 1          | NC*        | Male  | 2.15       | 1          | NC*        |
| Female   | 0.48       | 0          | NC*        | Female                                      | 1.85       | 3          | NC*        |
| Total  | 2.44       | 1          | NC*        | Total                                       | 4.00       | 4          | NC*        |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b>   |            |            |            | <b><u>Prostate</u></b>                      |            |            |            |
| Male   | 1.05       | 3          | NC*        | Male  | 32.40      | 23         | 71         |
| Female   | 0.82       | 0          | NC*        |   |            |            |            |
| Total  | 1.87       | 3          | NC*        |   |            |            |            |
| <b><u>Kidney and Renal Pelvis</u></b>                |            |            |            | <b><u>Stomach</u></b>                       |            |            |            |
| Male   | 3.36       | 6          | 178        | Male  | 2.11       | 2          | NC*        |
| Female   | 1.82       | 3          | NC*        | Female                                      | 1.11       | 1          | NC*        |
| Total  | 5.18       | 9          | 174        | Total                                       | 3.22       | 3          | NC*        |
| <b><u>Larynx</u></b>                                 |            |            |            | <b><u>Testis</u></b>                        |            |            |            |
| Male   | 1.92       | 0          | NC*        | Male  | 1.68       | 0          | NC*        |
| Female   | 0.43       | 1          | NC*        |   |            |            |            |
| Total  | 2.34       | 1          | NC*        |   |            |            |            |
| <b><u>Leukemia</u></b>                               |            |            |            | <b><u>Thyroid</u></b>                       |            |            |            |
| Male   | 2.69       | 3          | NC*        | Male  | 0.89       | 0          | NC*        |
| Female   | 1.96       | 2          | NC*        | Female                                      | 2.43       | 5          | 205        |
| Total  | 4.65       | 5          | 108        | Total                                       | 3.33       | 5          | 150        |
| <b><u>Liver and Intrahepatic Bile Ducts</u></b>      |            |            |            | <b><u>Uteri, Corpus and Uterus, NOS</u></b> |            |            |            |
| Male   | 1.29       | 0          | NC*        | Female                                      | 6.19       | 9          | 145        |
| Female   | 0.43       | 1          | NC*        |   |            |            |            |
| Total  | 1.72       | 1          | NC*        |   |            |            |            |
| <b><u>Lung and Bronchus</u></b>                      |            |            |            | <b><u>All Sites / Types</u></b>             |            |            |            |
| Male   | 16.30      | 12         | 74         | Male  | 107.40     | 93         | 87         |
| Female   | 11.73      | 10         | 85         | Female                                      | 96.92      | 119        | 123 #+     |

|       |       |    |    |       |        |     |     |
|-------|-------|----|----|-------|--------|-----|-----|
| Total | 28.03 | 22 | 78 | Total | 204.32 | 212 | 104 |
|-------|-------|----|----|-------|--------|-----|-----|

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Chatham

### Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--|------------|------------|------------|--|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b>                       |            |            |            | <b><u>Melanoma of Skin</u></b>         |            |            |            |
| Male   | 11.55      | 11         | 95         | Male                                   | 5.65       | 14         | 248 ~+     |
| Female   | 4.28       | 9          | 210        | Female                                 | 3.74       | 6          | 161        |
| Total  | 15.83      | 20         | 126        | Total                                  | 9.39       | 20         | 213 ~+     |
| <b><u>Brain and Other Central Nervous System</u></b> |            |            |            | <b><u>Multiple Myeloma</u></b>         |            |            |            |
| Male   | 2.04       | 2          | NC*        | Male                                   | 2.01       | 1          | NC*        |
| Female   | 1.73       | 2          | NC*        | Female                                 | 1.74       | 1          | NC*        |
| Total  | 3.77       | 4          | NC*        | Total                                  | 3.75       | 2          | NC*        |
| <b><u>Breast</u></b>                                 |            |            |            | <b><u>Non-Hodgkin('s) Lymphoma</u></b> |            |            |            |
| Male   | 0.47       | 0          | NC*        | Male                                   | 7.16       | 7          | 98         |
| Female   | 48.79      | 68         | 139 #+     | Female                                 | 6.87       | 10         | 146        |
| Total  | 49.27      | 68         | 138 #+     | Total                                  | 14.03      | 17         | 121        |
| <b><u>Cervix Uteri</u></b>                           |            |            |            | <b><u>Oral Cavity and Pharynx</u></b>  |            |            |            |
| Female   | 1.97       | 0          | NC*        | Male                                   | 5.05       | 5          | 99         |
|  |            |            |            | Female                                 | 2.71       | 4          | NC*        |
|  |            |            |            | Total                                  | 7.76       | 9          | 116        |
| <b><u>Colon / Rectum</u></b>                         |            |            |            | <b><u>Ovary</u></b>                    |            |            |            |
| Male   | 27.60      | 15         | 54 #-      | Female                                 | 5.45       | 7          | 128        |
| Female   | 27.08      | 22         | 81         |  |            |            |            |
| Total  | 54.68      | 37         | 68 #-      |  |            |            |            |
| <b><u>Esophagus</u></b>                              |            |            |            | <b><u>Pancreas</u></b>                 |            |            |            |
| Male   | 3.36       | 3          | NC*        | Male                                   | 4.41       | 2          | NC*        |
| Female   | 1.33       | 0          | NC*        | Female                                 | 4.90       | 2          | NC*        |
| Total  | 4.69       | 3          | NC*        | Total                                  | 9.31       | 4          | NC*        |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b>   |            |            |            | <b><u>Prostate</u></b>                 |            |            |            |
| Male   | 0.73       | 0          | NC*        | Male                                   | 60.09      | 97         | 161 ^+     |
| Female   | 0.60       | 0          | NC*        |  |            |            |            |
| Total  | 1.33       | 0          | NC*        |  |            |            |            |
| <b><u>Kidney and Renal Pelvis</u></b>                |            |            |            | <b><u>Stomach</u></b>                  |            |            |            |
| Male   | 5.18       | 8          | 154        | Male                                   | 4.65       | 2          | NC*        |
| Female   | 3.34       | 4          | NC*        | Female                                 | 2.96       | 2          | NC*        |
| Total  | 8.52       | 12         | 141        | Total                                  | 7.61       | 4          | NC*        |
| <b><u>Larynx</u></b>                                 |            |            |            | <b><u>Testis</u></b>                   |            |            |            |
| Male   | 2.88       | 4          | NC*        | Male                                   | 0.77       | 1          | NC*        |
| Female   | 0.71       | 0          | NC*        |  |            |            |            |
| Total  | 3.59       | 4          | NC*        |  |            |            |            |

**Leukemia**

|        |      |    |        |
|--------|------|----|--------|
| Male   | 4.30 | 10 | 232 #+ |
| Female | 3.29 | 3  | NC*    |
| Total  | 7.60 | 13 | 171    |

**Liver and Intrahepatic Bile Ducts**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.02 | 2 | NC* |
| Female | 1.02 | 1 | NC* |
| Total  | 3.04 | 3 | NC* |

**Lung and Bronchus**

|        |       |    |       |
|--------|-------|----|-------|
| Male   | 31.96 | 21 | 66    |
| Female | 23.92 | 20 | 84    |
| Total  | 55.88 | 41 | 73 #- |

**Thyroid**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.74 | 1 | NC* |
| Female | 1.73 | 1 | NC* |
| Total  | 2.47 | 2 | NC* |

**Uteri, Corpus and Uterus, NOS**

|        |      |    |     |
|--------|------|----|-----|
| Female | 9.59 | 14 | 146 |
|--------|------|----|-----|

**All Sites / Types**

|        |        |     |        |
|--------|--------|-----|--------|
| Male   | 196.32 | 219 | 112    |
| Female | 172.14 | 193 | 112    |
| Total  | 368.46 | 412 | 112 #+ |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

**Chelmsford****Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999**

|                                | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--------------------------------|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b> |            |            |            |
| Male                           | 19.85      | 25         | 126        |
| Female                         | 7.41       | 7          | 94         |
| Total                          | 27.26      | 32         | 117        |

**Brain and Other Central Nervous System**

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 6.80  | 11 | 162 |
| Female | 5.31  | 3  | NC* |
| Total  | 12.11 | 14 | 116 |

**Breast**

|        |        |     |     |
|--------|--------|-----|-----|
| Male   | 0.99   | 1   | NC* |
| Female | 137.50 | 145 | 105 |
| Total  | 138.49 | 146 | 105 |

**Cervix Uteri**

|        |      |   |    |
|--------|------|---|----|
| Female | 8.05 | 5 | 62 |
|--------|------|---|----|

**Colon / Rectum**

|        |       |     |        |
|--------|-------|-----|--------|
| Male   | 50.21 | 60  | 119    |
| Female | 46.14 | 61  | 132 #+ |
| Total  | 96.35 | 121 | 126 #+ |

**Esophagus**

|        |       |   |     |
|--------|-------|---|-----|
| Male   | 7.86  | 7 | 89  |
| Female | 2.24  | 0 | NC* |
| Total  | 10.10 | 7 | 69  |

**Hodgkin's Disease (Hodgkin Lymphoma)**

|                                | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--------------------------------|------------|------------|------------|
| <b><u>Melanoma of Skin</u></b> |            |            |            |
| Male                           | 14.67      | 12         | 82         |
| Female                         | 11.40      | 12         | 105        |
| Total                          | 26.08      | 24         | 92         |

**Multiple Myeloma**

|        |      |    |     |
|--------|------|----|-----|
| Male   | 4.09 | 6  | 147 |
| Female | 3.55 | 4  | NC* |
| Total  | 7.64 | 10 | 131 |

**Non-Hodgkin('s) Lymphoma**

|        |       |    |    |
|--------|-------|----|----|
| Male   | 17.35 | 17 | 98 |
| Female | 15.06 | 14 | 93 |
| Total  | 32.42 | 31 | 96 |

**Oral Cavity and Pharynx**

|        |       |    |    |
|--------|-------|----|----|
| Male   | 14.20 | 9  | 63 |
| Female | 6.54  | 5  | 76 |
| Total  | 20.74 | 14 | 68 |

**Ovary**

|        |       |    |        |
|--------|-------|----|--------|
| Female | 16.03 | 26 | 162 #+ |
|--------|-------|----|--------|

**Pancreas**

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 8.74  | 3  | NC* |
| Female | 8.63  | 14 | 162 |
| Total  | 17.37 | 17 | 98  |

**Prostate**

|   |        |     |        |   |        |     |        |
|---|--------|-----|--------|---|--------|-----|--------|
| Male  | 3.45   | 4   | NC*    | Male  | 134.44 | 133 | 99     |
| Female  | 2.61   | 2   | NC*    |   |        |     |        |
| Total   | 6.06   | 6   | 99     |   |        |     |        |
| <b><u>Kidney and Renal Pelvis</u></b>           |        |     |        | <b><u>Stomach</u></b>                       |        |     |        |
| Male  | 12.98  | 22  | 169 #+ | Male  | 8.55   | 8   | 94     |
| Female  | 7.91   | 7   | 88     | Female                                      | 4.97   | 7   | 141    |
| Total   | 20.90  | 29  | 139    | Total                                       | 13.52  | 15  | 111    |
| <b><u>Larynx</u></b>                            |        |     |        | <b><u>Testis</u></b>                        |        |     |        |
| Male  | 7.58   | 8   | 105    | Male  | 5.28   | 4   | NC*    |
| Female  | 1.91   | 1   | NC*    |   |        |     |        |
| Total   | 9.50   | 9   | 95     |   |        |     |        |
| <b><u>Leukemia</u></b>                          |        |     |        | <b><u>Thyroid</u></b>                       |        |     |        |
| Male  | 9.95   | 3   | NC*    | Male  | 3.13   | 3   | NC*    |
| Female  | 7.70   | 13  | 169    | Female                                      | 8.23   | 15  | 182 #+ |
| Total   | 17.65  | 16  | 91     | Total                                       | 11.36  | 18  | 158    |
| <b><u>Liver and Intrahepatic Bile Ducts</u></b> |        |     |        | <b><u>Uteri, Corpus and Uterus, NOS</u></b> |        |     |        |
| Male  | 5.05   | 5   | 99     | Female                                      | 26.76  | 22  | 82     |
| Female  | 1.93   | 1   | NC*    |   |        |     |        |
| Total   | 6.98   | 6   | 86     |   |        |     |        |
| <b><u>Lung and Bronchus</u></b>                 |        |     |        | <b><u>All Sites / Types</u></b>             |        |     |        |
| Male  | 66.92  | 62  | 93     | Male  | 430.08 | 430 | 100    |
| Female  | 53.85  | 46  | 85     | Female                                      | 411.64 | 440 | 107    |
| Total   | 120.77 | 108 | 89     | Total                                       | 841.72 | 870 | 103    |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Chelsea

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <b><u>Exp</u></b> | <b><u>Obs</u></b> | <b><u>SIR</u></b> |  | <b><u>Exp</u></b> | <b><u>Obs</u></b> | <b><u>SIR</u></b> |
|--|-------------------|-------------------|-------------------|--|-------------------|-------------------|-------------------|
| <b><u>Bladder, Urinary</u></b>                       |                   |                   |                   | <b><u>Melanoma of Skin</u></b>         |                   |                   |                   |
| Male   | 16.07             | 9                 | 56                | Male                                   | 10.69             | 5                 | 47                |
| Female   | 6.01              | 4                 | NC*               | Female                                 | 8.42              | 5                 | 59                |
| Total  | 22.08             | 13                | 59                | Total                                  | 19.12             | 10                | 52 #-             |
| <b><u>Brain and Other Central Nervous System</u></b> |                   |                   |                   | <b><u>Multiple Myeloma</u></b>         |                   |                   |                   |
| Male   | 4.98              | 6                 | 120               | Male                                   | 3.04              | 5                 | 164               |
| Female   | 4.11              | 2                 | NC*               | Female                                 | 2.65              | 1                 | NC*               |
| Total  | 9.09              | 8                 | 88                | Total                                  | 5.69              | 6                 | 105               |
| <b><u>Breast</u></b>                                 |                   |                   |                   | <b><u>Non-Hodgkin('s) Lymphoma</u></b> |                   |                   |                   |
| Male   | 0.73              | 0                 | NC*               | Male                                   | 13.22             | 19                | 144               |
| Female   | 94.12             | 78                | 83                | Female                                 | 11.71             | 9                 | 77                |
| Total  | 94.85             | 78                | 82                | Total                                  | 24.93             | 28                | 112               |
| <b><u>Cervix Uteri</u></b>                           |                   |                   |                   | <b><u>Oral Cavity and Pharynx</u></b>  |                   |                   |                   |
|  |                   |                   |                   | Male                                   | 9.40              | 18                | 191 #+            |

|  |       |     |        |
|--|-------|-----|--------|
| Female   | 5.97  | 11  | 184    |
| <b><u>Colon / Rectum</u></b>                       |       |     |        |
| Male   | 39.65 | 52  | 131    |
| Female   | 37.97 | 39  | 103    |
| Total  | 77.63 | 91  | 117    |
| <b><u>Esophagus</u></b>                            |       |     |        |
| Male   | 5.41  | 14  | 259 ~+ |
| Female   | 1.84  | 4   | NC*    |
| Total  | 7.25  | 18  | 248 ~+ |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b> |       |     |        |
| Male   | 2.82  | 2   | NC*    |
| Female   | 2.27  | 2   | NC*    |
| Total  | 5.10  | 4   | NC*    |
| <b><u>Kidney and Renal Pelvis</u></b>              |       |     |        |
| Male   | 9.10  | 12  | 132    |
| Female   | 5.73  | 10  | 175    |
| Total  | 14.83 | 22  | 148    |
| <b><u>Larynx</u></b>                               |       |     |        |
| Male   | 5.00  | 10  | 200    |
| Female   | 1.25  | 1   | NC*    |
| Total  | 6.25  | 11  | 176    |
| <b><u>Leukemia</u></b>                             |       |     |        |
| Male   | 7.89  | 2   | NC*    |
| Female   | 6.13  | 8   | 131    |
| Total  | 14.02 | 10  | 71     |
| <b><u>Liver and Intrahepatic Bile Ducts</u></b>    |       |     |        |
| Male   | 3.51  | 7   | 199    |
| Female   | 1.52  | 4   | NC*    |
| Total  | 5.03  | 11  | 219 #+ |
| <b><u>Lung and Bronchus</u></b>                    |       |     |        |
| Male   | 48.94 | 92  | 188 ^+ |
| Female   | 38.59 | 55  | 143 #+ |
| Total  | 87.53 | 147 | 168 ^+ |

|   |        |     |        |
|---|--------|-----|--------|
| Female                                      | 4.69   | 5   | 107    |
| Total                                       | 14.10  | 23  | 163 #+ |
| <b><u>Ovary</u></b>                         |        |     |        |
| Female                                      | 11.25  | 16  | 142    |
| <b><u>Pancreas</u></b>                      |        |     |        |
| Male  | 6.56   | 9   | 137    |
| Female                                      | 6.91   | 11  | 159    |
| Total                                       | 13.47  | 20  | 148    |
| <b><u>Prostate</u></b>                      |        |     |        |
| Male  | 93.36  | 75  | 80     |
| <b><u>Stomach</u></b>                       |        |     |        |
| Male  | 6.72   | 10  | 149    |
| Female                                      | 4.17   | 3   | NC*    |
| Total                                       | 10.88  | 13  | 119    |
| <b><u>Testis</u></b>                        |        |     |        |
| Male  | 4.63   | 4   | NC*    |
| <b><u>Thyroid</u></b>                       |        |     |        |
| Male  | 2.23   | 3   | NC*    |
| Female                                      | 6.34   | 6   | 95     |
| Total                                       | 8.57   | 9   | 105    |
| <b><u>Uteri, Corpus and Uterus, NOS</u></b> |        |     |        |
| Female                                      | 17.61  | 18  | 102    |
| <b><u>All Sites / Types</u></b>             |        |     |        |
| Male  | 316.56 | 376 | 119 ~+ |
| Female                                      | 301.77 | 323 | 107    |
| Total                                       | 618.33 | 699 | 113 ~+ |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (Obs / Exp) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Cheshire

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|                                | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |                                | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--------------------------------|------------|------------|------------|--------------------------------|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b> |            |            |            | <b><u>Melanoma of Skin</u></b> |            |            |            |
| Male                           | 2.80       | 3          | NC*        | Male                           | 1.85       | 1          | NC*        |
| Female                         | 0.88       | 0          | NC*        | Female                         | 1.28       | 0          | NC*        |

|  |       |    |       |   |        |    |       |
|--|-------|----|-------|---|--------|----|-------|
| Total  | 3.67  | 3  | NC*   | Total                                       | 3.13   | 1  | NC*   |
| <b><u>Brain and Other Central Nervous System</u></b> |       |    |       | <b><u>Multiple Myeloma</u></b>              |        |    |       |
| Male   | 0.81  | 2  | NC*   | Male  | 0.55   | 0  | NC*   |
| Female   | 0.60  | 1  | NC*   | Female                                      | 0.42   | 0  | NC*   |
| Total  | 1.42  | 3  | NC*   | Total                                       | 0.97   | 0  | NC*   |
| <b><u>Breast</u></b>                                 |       |    |       | <b><u>Non-Hodgkin('s) Lymphoma</u></b>      |        |    |       |
| Male   | 0.13  | 0  | NC*   | Male  | 2.22   | 1  | NC*   |
| Female   | 15.58 | 6  | 38 #~ | Female                                      | 1.75   | 1  | NC*   |
| Total  | 15.72 | 6  | 38 ~- | Total                                       | 3.97   | 2  | NC*   |
| <b><u>Cervix Uteri</u></b>                           |       |    |       | <b><u>Oral Cavity and Pharynx</u></b>       |        |    |       |
| Female   | 0.88  | 0  | NC*   | Male  | 1.79   | 0  | NC*   |
|  |       |    |       | Female                                      | 0.75   | 0  | NC*   |
|  |       |    |       | Total                                       | 2.54   | 0  | NC*   |
| <b><u>Colon / Rectum</u></b>                         |       |    |       | <b><u>Ovary</u></b>                         |        |    |       |
| Male   | 6.96  | 6  | 86    | Female                                      | 1.81   | 2  | NC*   |
| Female   | 5.48  | 5  | 91    |   |        |    |       |
| Total  | 12.44 | 11 | 88    |   |        |    |       |
| <b><u>Esophagus</u></b>                              |       |    |       | <b><u>Pancreas</u></b>                      |        |    |       |
| Male   | 1.03  | 1  | NC*   | Male  | 1.19   | 1  | NC*   |
| Female   | 0.27  | 0  | NC*   | Female                                      | 1.02   | 0  | NC*   |
| Total  | 1.30  | 1  | NC*   | Total                                       | 2.21   | 1  | NC*   |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b>   |       |    |       | <b><u>Prostate</u></b>                      |        |    |       |
| Male   | 0.37  | 1  | NC*   | Male  | 17.77  | 12 | 68    |
| Female   | 0.29  | 0  | NC*   |   |        |    |       |
| Total  | 0.66  | 1  | NC*   |   |        |    |       |
| <b><u>Kidney and Renal Pelvis</u></b>                |       |    |       | <b><u>Stomach</u></b>                       |        |    |       |
| Male   | 1.67  | 1  | NC*   | Male  | 1.19   | 1  | NC*   |
| Female   | 0.91  | 1  | NC*   | Female                                      | 0.58   | 2  | NC*   |
| Total  | 2.59  | 2  | NC*   | Total                                       | 1.77   | 3  | NC*   |
| <b><u>Larynx</u></b>                                 |       |    |       | <b><u>Testis</u></b>                        |        |    |       |
| Male   | 0.97  | 0  | NC*   | Male  | 0.52   | 0  | NC*   |
| Female   | 0.22  | 0  | NC*   |   |        |    |       |
| Total  | 1.19  | 0  | NC*   |   |        |    |       |
| <b><u>Leukemia</u></b>                               |       |    |       | <b><u>Thyroid</u></b>                       |        |    |       |
| Male   | 1.29  | 2  | NC*   | Male  | 0.35   | 0  | NC*   |
| Female   | 0.88  | 0  | NC*   | Female                                      | 0.90   | 1  | NC*   |
| Total  | 2.17  | 2  | NC*   | Total                                       | 1.25   | 1  | NC*   |
| <b><u>Liver and Intrahepatic Bile Ducts</u></b>      |       |    |       | <b><u>Uteri, Corpus and Uterus, NOS</u></b> |        |    |       |
| Male   | 0.65  | 1  | NC*   | Female                                      | 3.06   | 4  | NC*   |
| Female   | 0.23  | 0  | NC*   |   |        |    |       |
| Total  | 0.88  | 1  | NC*   |   |        |    |       |
| <b><u>Lung and Bronchus</u></b>                      |       |    |       | <b><u>All Sites / Types</u></b>             |        |    |       |
| Male   | 8.97  | 6  | 67    | Male  | 56.83  | 40 | 70 #~ |
| Female   | 6.33  | 4  | NC*   | Female                                      | 47.35  | 30 | 63 ~- |
| Total  | 15.30 | 10 | 65    | Total                                       | 104.18 | 70 | 67 ^- |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Chester

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |   | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--|------------|------------|------------|---|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b>                       |            |            |            | <b><u>Melanoma of Skin</u></b>              |            |            |            |
| Male   | 0.88       | 1          | NC*        | Male  | 0.64       | 0          | NC*        |
| Female   | 0.27       | 1          | NC*        | Female                                      | 0.41       | 0          | NC*        |
| Total  | 1.15       | 2          | NC*        | Total                                       | 1.05       | 0          | NC*        |
| <b><u>Brain and Other Central Nervous System</u></b> |            |            |            | <b><u>Multiple Myeloma</u></b>              |            |            |            |
| Male   | 0.29       | 0          | NC*        | Male  | 0.18       | 0          | NC*        |
| Female   | 0.20       | 0          | NC*        | Female                                      | 0.13       | 0          | NC*        |
| Total  | 0.49       | 0          | NC*        | Total                                       | 0.31       | 0          | NC*        |
| <b><u>Breast</u></b>                                 |            |            |            | <b><u>Non-Hodgkin('s) Lymphoma</u></b>      |            |            |            |
| Male   | 0.04       | 0          | NC*        | Male  | 0.75       | 2          | NC*        |
| Female   | 4.91       | 14         | 285 ~+     | Female                                      | 0.56       | 0          | NC*        |
| Total  | 4.96       | 14         | 282 ~+     | Total                                       | 1.32       | 2          | NC*        |
| <b><u>Cervix Uteri</u></b>                           |            |            |            | <b><u>Oral Cavity and Pharynx</u></b>       |            |            |            |
| Female   | 0.29       | 2          | NC*        | Male  | 0.61       | 0          | NC*        |
|  |            |            |            | Female                                      | 0.24       | 0          | NC*        |
|  |            |            |            | Total                                       | 0.85       | 0          | NC*        |
| <b><u>Colon / Rectum</u></b>                         |            |            |            | <b><u>Ovary</u></b>                         |            |            |            |
| Male   | 2.21       | 1          | NC*        | Female                                      | 0.58       | 0          | NC*        |
| Female   | 1.72       | 3          | NC*        |   |            |            |            |
| Total  | 3.93       | 4          | NC*        |   |            |            |            |
| <b><u>Esophagus</u></b>                              |            |            |            | <b><u>Pancreas</u></b>                      |            |            |            |
| Male   | 0.34       | 1          | NC*        | Male  | 0.38       | 1          | NC*        |
| Female   | 0.08       | 0          | NC*        | Female                                      | 0.32       | 0          | NC*        |
| Total  | 0.42       | 1          | NC*        | Total                                       | 0.70       | 1          | NC*        |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b>   |            |            |            | <b><u>Prostate</u></b>                      |            |            |            |
| Male   | 0.15       | 0          | NC*        | Male  | 5.76       | 7          | 121        |
| Female   | 0.10       | 0          | NC*        |   |            |            |            |
| Total  | 0.25       | 0          | NC*        |   |            |            |            |
| <b><u>Kidney and Renal Pelvis</u></b>                |            |            |            | <b><u>Stomach</u></b>                       |            |            |            |
| Male   | 0.57       | 0          | NC*        | Male  | 0.37       | 1          | NC*        |
| Female   | 0.29       | 0          | NC*        | Female                                      | 0.18       | 0          | NC*        |
| Total  | 0.86       | 0          | NC*        | Total                                       | 0.55       | 1          | NC*        |
| <b><u>Larynx</u></b>                                 |            |            |            | <b><u>Testis</u></b>                        |            |            |            |
| Male   | 0.33       | 0          | NC*        | Male  | 0.22       | 1          | NC*        |
| Female   | 0.07       | 0          | NC*        |   |            |            |            |
| Total  | 0.40       | 0          | NC*        |   |            |            |            |
| <b><u>Leukemia</u></b>                               |            |            |            | <b><u>Thyroid</u></b>                       |            |            |            |
| Male   | 0.44       | 1          | NC*        | Male  | 0.13       | 0          | NC*        |
| Female   | 0.29       | 0          | NC*        | Female                                      | 0.30       | 0          | NC*        |
| Total  | 0.72       | 1          | NC*        | Total                                       | 0.43       | 0          | NC*        |
| <b><u>Liver and Intrahepatic Bile Ducts</u></b>      |            |            |            | <b><u>Uteri, Corpus and Uterus, NOS</u></b> |            |            |            |
| Male   | 0.22       | 0          | NC*        | Female                                      | 0.96       | 1          | NC*        |
| Female   | 0.07       | 0          | NC*        |   |            |            |            |
| Total  | 0.29       | 0          | NC*        |   |            |            |            |
| <b><u>Lung and Bronchus</u></b>                      |            |            |            | <b><u>All Sites / Types</u></b>             |            |            |            |

|        |      |   |     |        |       |    |        |
|--------|------|---|-----|--------|-------|----|--------|
| Male   | 2.92 | 0 | NC* | Male   | 18.65 | 16 | 86     |
| Female | 2.03 | 3 | NC* | Female | 15.04 | 25 | 166 #+ |
| Total  | 4.95 | 3 | NC* | Total  | 33.69 | 41 | 122    |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Chesterfield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--|------------|------------|------------|--|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b>                       |            |            |            | <b><u>Melanoma of Skin</u></b>         |            |            |            |
| Male   | 0.67       | 0          | NC*        | Male                                   | 0.47       | 0          | NC*        |
| Female   | 0.18       | 0          | NC*        | Female                                 | 0.31       | 0          | NC*        |
| Total  | 0.85       | 0          | NC*        | Total                                  | 0.78       | 0          | NC*        |
| <b><u>Brain and Other Central Nervous System</u></b> |            |            |            | <b><u>Multiple Myeloma</u></b>         |            |            |            |
| Male   | 0.22       | 0          | NC*        | Male                                   | 0.14       | 0          | NC*        |
| Female   | 0.15       | 1          | NC*        | Female                                 | 0.09       | 1          | NC*        |
| Total  | 0.36       | 1          | NC*        | Total                                  | 0.23       | 1          | NC*        |
| <b><u>Breast</u></b>                                 |            |            |            | <b><u>Non-Hodgkin('s) Lymphoma</u></b> |            |            |            |
| Male   | 0.03       | 0          | NC*        | Male                                   | 0.56       | 0          | NC*        |
| Female   | 3.68       | 5          | 136        | Female                                 | 0.39       | 0          | NC*        |
| Total  | 3.71       | 5          | 135        | Total                                  | 0.95       | 0          | NC*        |
| <b><u>Cervix Uteri</u></b>                           |            |            |            | <b><u>Oral Cavity and Pharynx</u></b>  |            |            |            |
| Female   | 0.23       | 0          | NC*        | Male                                   | 0.46       | 0          | NC*        |
|  |            |            |            | Female                                 | 0.17       | 0          | NC*        |
|  |            |            |            | Total                                  | 0.63       | 0          | NC*        |
| <b><u>Colon / Rectum</u></b>                         |            |            |            | <b><u>Ovary</u></b>                    |            |            |            |
| Male   | 1.67       | 0          | NC*        | Female                                 | 0.43       | 0          | NC*        |
| Female   | 1.15       | 1          | NC*        |  |            |            |            |
| Total  | 2.82       | 1          | NC*        |  |            |            |            |
| <b><u>Esophagus</u></b>                              |            |            |            | <b><u>Pancreas</u></b>                 |            |            |            |
| Male   | 0.25       | 2          | NC*        | Male                                   | 0.29       | 0          | NC*        |
| Female   | 0.06       | 0          | NC*        | Female                                 | 0.21       | 0          | NC*        |
| Total  | 0.31       | 2          | NC*        | Total                                  | 0.50       | 0          | NC*        |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b>   |            |            |            | <b><u>Prostate</u></b>                 |            |            |            |
| Male   | 0.10       | 0          | NC*        | Male                                   | 4.29       | 5          | 117        |
| Female   | 0.08       | 1          | NC*        |  |            |            |            |
| Total  | 0.18       | 1          | NC*        |  |            |            |            |
| <b><u>Kidney and Renal Pelvis</u></b>                |            |            |            | <b><u>Stomach</u></b>                  |            |            |            |
| Male   | 0.43       | 3          | NC*        | Male                                   | 0.29       | 0          | NC*        |
| Female   | 0.21       | 1          | NC*        | Female                                 | 0.12       | 0          | NC*        |
| Total  | 0.63       | 4          | NC*        | Total                                  | 0.41       | 0          | NC*        |
| <b><u>Larynx</u></b>                                 |            |            |            | <b><u>Testis</u></b>                   |            |            |            |
| Male   | 0.24       | 0          | NC*        | Male                                   | 0.14       | 1          | NC*        |

|        |      |   |     |
|--------|------|---|-----|
| Female | 0.05 | 0 | NC* |
| Total  | 0.29 | 0 | NC* |

#### Leukemia

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.33 | 1 | NC* |
| Female | 0.20 | 0 | NC* |
| Total  | 0.54 | 1 | NC* |

#### Liver and Intrahepatic Bile Ducts

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.16 | 0 | NC* |
| Female | 0.05 | 0 | NC* |
| Total  | 0.21 | 0 | NC* |

#### Lung and Bronchus

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.18 | 0 | NC* |
| Female | 1.38 | 0 | NC* |
| Total  | 3.56 | 0 | NC* |

#### Thyroid

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.09 | 0 | NC* |
| Female | 0.24 | 0 | NC* |
| Total  | 0.33 | 0 | NC* |

#### Uteri, Corpus and Uterus, NOS

|        |      |   |     |
|--------|------|---|-----|
| Female | 0.71 | 0 | NC* |
|--------|------|---|-----|

#### All Sites / Types

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 13.93 | 16 | 115 |
| Female | 10.81 | 10 | 93  |
| Total  | 24.74 | 26 | 105 |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Chicopee

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|   | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|---|------------|------------|------------|
| <u>Bladder, Urinary</u>                       |            |            |            |
| Male  | 40.99      | 45         | 110        |
| Female  | 17.53      | 18         | 103        |
| Total   | 58.53      | 63         | 108        |
| <u>Brain and Other Central Nervous System</u> |            |            |            |
| Male  | 11.09      | 8          | 72         |
| Female  | 9.91       | 17         | 172        |
| Total   | 21.00      | 25         | 119        |
| <u>Breast</u>                                 |            |            |            |
| Male  | 1.88       | 2          | NC*        |
| Female  | 252.03     | 242        | 96         |
| Total   | 253.91     | 244        | 96         |
| <u>Cervix Uteri</u>                           |            |            |            |
| Female  | 13.36      | 13         | 97         |
| <u>Colon / Rectum</u>                         |            |            |            |
| Male  | 101.18     | 88         | 87         |
| Female  | 110.35     | 92         | 83         |
| Total   | 211.54     | 180        | 85 #-      |
| <u>Esophagus</u>                              |            |            |            |
| Male  | 13.99      | 21         | 150        |
| Female  | 5.39       | 7          | 130        |

|                                 | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|---------------------------------|------------|------------|------------|
| <u>Melanoma of Skin</u>         |            |            |            |
| Male                            | 25.49      | 27         | 106        |
| Female                          | 20.68      | 12         | 58         |
| Total                           | 46.17      | 39         | 84         |
| <u>Multiple Myeloma</u>         |            |            |            |
| Male                            | 7.82       | 8          | 102        |
| Female                          | 7.66       | 6          | 78         |
| Total                           | 15.48      | 14         | 90         |
| <u>Non-Hodgkin('s) Lymphoma</u> |            |            |            |
| Male                            | 31.11      | 20         | 64 #-      |
| Female                          | 31.96      | 17         | 53 ~-      |
| Total                           | 63.06      | 37         | 59 ^-      |
| <u>Oral Cavity and Pharynx</u>  |            |            |            |
| Male                            | 23.48      | 18         | 77         |
| Female                          | 12.92      | 8          | 62         |
| Total                           | 36.40      | 26         | 71         |
| <u>Ovary</u>                    |            |            |            |
| Female                          | 29.19      | 30         | 103        |
| <u>Pancreas</u>                 |            |            |            |
| Male                            | 16.75      | 24         | 143        |
| Female                          | 20.31      | 30         | 148        |

|   |       |    |     |
|---|-------|----|-----|
| Total                                       | 19.38 | 28 | 144 |
| <b>Hodgkin's Disease (Hodgkin Lymphoma)</b> |       |    |     |
| Male  | 5.32  | 1  | NC* |
| Female                                      | 4.55  | 7  | 154 |
| Total                                       | 9.87  | 8  | 81  |

|                                |       |    |    |
|--------------------------------|-------|----|----|
| <b>Kidney and Renal Pelvis</b> |       |    |    |
| Male                           | 22.80 | 17 | 75 |
| Female                         | 15.94 | 12 | 75 |
| Total                          | 38.75 | 29 | 75 |

|               |       |    |     |
|---------------|-------|----|-----|
| <b>Larynx</b> |       |    |     |
| Male          | 12.96 | 13 | 100 |
| Female        | 3.59  | 5  | 139 |
| Total         | 16.55 | 18 | 109 |

|                 |       |    |       |
|-----------------|-------|----|-------|
| <b>Leukemia</b> |       |    |       |
| Male            | 18.38 | 10 | 54    |
| Female          | 15.71 | 7  | 45 #~ |
| Total           | 34.09 | 17 | 50 ~- |

|  |       |    |     |
|--|-------|----|-----|
| <b>Liver and Intrahepatic Bile Ducts</b> |       |    |     |
| Male                                     | 8.85  | 7  | 79  |
| Female                                   | 4.36  | 5  | 115 |
| Total                                    | 13.21 | 12 | 91  |

|                          |        |     |     |
|--------------------------|--------|-----|-----|
| <b>Lung and Bronchus</b> |        |     |     |
| Male                     | 127.49 | 144 | 113 |
| Female                   | 112.07 | 97  | 87  |
| Total                    | 239.56 | 241 | 101 |

|                 |        |     |        |
|-----------------|--------|-----|--------|
| Total           | 37.06  | 54  | 146 #+ |
| <b>Prostate</b> |        |     |        |
| Male            | 247.65 | 227 | 92     |

|                |       |    |        |
|----------------|-------|----|--------|
| <b>Stomach</b> |       |    |        |
| Male           | 16.90 | 26 | 154 #+ |
| Female         | 11.90 | 15 | 126    |
| Total          | 28.79 | 41 | 142 #+ |

|               |      |    |     |
|---------------|------|----|-----|
| <b>Testis</b> |      |    |     |
| Male          | 7.83 | 11 | 140 |

|                |       |    |     |
|----------------|-------|----|-----|
| <b>Thyroid</b> |       |    |     |
| Male           | 4.72  | 4  | NC* |
| Female         | 13.29 | 8  | 60  |
| Total          | 18.01 | 12 | 67  |

|                                      |       |    |     |
|--------------------------------------|-------|----|-----|
| <b>Uteri, Corpus and Uterus, NOS</b> |       |    |     |
| Female                               | 49.00 | 60 | 122 |

|                          |         |      |    |
|--------------------------|---------|------|----|
| <b>All Sites / Types</b> |         |      |    |
| Male                     | 800.67  | 775  | 97 |
| Female                   | 823.77  | 778  | 94 |
| Total                    | 1624.45 | 1553 | 96 |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Chilmark

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|                         | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|-------------------------|------------|------------|------------|
| <b>Bladder, Urinary</b> |            |            |            |
| Male                    | 0.72       | 2          | NC*        |
| Female                  | 0.22       | 0          | NC*        |
| Total                   | 0.94       | 2          | NC*        |

|   |      |   |     |
|---|------|---|-----|
| <b>Brain and Other Central Nervous System</b> |      |   |     |
| Male  | 0.17 | 0 | NC* |
| Female  | 0.13 | 0 | NC* |
| Total   | 0.30 | 0 | NC* |

|               |      |   |     |
|---------------|------|---|-----|
| <b>Breast</b> |      |   |     |
| Male          | 0.03 | 0 | NC* |
| Female        | 3.28 | 7 | 214 |
| Total         | 3.31 | 7 | 212 |

|                         | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|-------------------------|------------|------------|------------|
| <b>Melanoma of Skin</b> |            |            |            |
| Male                    | 0.42       | 1          | NC*        |
| Female                  | 0.27       | 1          | NC*        |
| Total                   | 0.69       | 2          | NC*        |

|                         |      |   |     |
|-------------------------|------|---|-----|
| <b>Multiple Myeloma</b> |      |   |     |
| Male                    | 0.13 | 0 | NC* |
| Female                  | 0.10 | 0 | NC* |
| Total                   | 0.23 | 0 | NC* |

|                                 |      |   |     |
|---------------------------------|------|---|-----|
| <b>Non-Hodgkin('s) Lymphoma</b> |      |   |     |
| Male                            | 0.52 | 1 | NC* |
| Female                          | 0.41 | 1 | NC* |
| Total                           | 0.92 | 2 | NC* |

**Cervix Uteri**

|        |      |   |     |
|--------|------|---|-----|
| Female | 0.18 | 0 | NC* |
|--------|------|---|-----|

**Colon / Rectum**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 1.75 | 0 | NC* |
| Female | 1.39 | 2 | NC* |
| Total  | 3.14 | 2 | NC* |

**Esophagus**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.23 | 0 | NC* |
| Female | 0.07 | 2 | NC* |
| Total  | 0.30 | 2 | NC* |

**Hodgkin's Disease (Hodgkin Lymphoma)**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.08 | 0 | NC* |
| Female | 0.06 | 0 | NC* |
| Total  | 0.14 | 0 | NC* |

**Kidney and Renal Pelvis**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.37 | 0 | NC* |
| Female | 0.20 | 0 | NC* |
| Total  | 0.58 | 0 | NC* |

**Larynx**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.21 | 0 | NC* |
| Female | 0.05 | 0 | NC* |
| Total  | 0.26 | 0 | NC* |

**Leukemia**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.31 | 0 | NC* |
| Female | 0.20 | 0 | NC* |
| Total  | 0.51 | 0 | NC* |

**Liver and Intrahepatic Bile Ducts**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.15 | 0 | NC* |
| Female | 0.05 | 0 | NC* |
| Total  | 0.20 | 0 | NC* |

**Lung and Bronchus**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.12 | 2 | NC* |
| Female | 1.42 | 1 | NC* |
| Total  | 3.55 | 3 | NC* |

**Oral Cavity and Pharynx**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.38 | 0 | NC* |
| Female | 0.17 | 0 | NC* |
| Total  | 0.55 | 0 | NC* |

**Ovary**

|        |      |   |     |
|--------|------|---|-----|
| Female | 0.38 | 0 | NC* |
|--------|------|---|-----|

**Pancreas**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.29 | 0 | NC* |
| Female | 0.25 | 0 | NC* |
| Total  | 0.54 | 0 | NC* |

**Prostate**

|      |      |   |     |
|------|------|---|-----|
| Male | 4.10 | 8 | 195 |
|------|------|---|-----|

**Stomach**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.30 | 0 | NC* |
| Female | 0.15 | 0 | NC* |
| Total  | 0.45 | 0 | NC* |

**Testis**

|      |      |   |     |
|------|------|---|-----|
| Male | 0.11 | 0 | NC* |
|------|------|---|-----|

**Thyroid**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.07 | 0 | NC* |
| Female | 0.18 | 0 | NC* |
| Total  | 0.25 | 0 | NC* |

**Uteri, Corpus and Uterus, NOS**

|        |      |   |     |
|--------|------|---|-----|
| Female | 0.64 | 0 | NC* |
|--------|------|---|-----|

**All Sites / Types**

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 13.39 | 15 | 112 |
| Female | 10.56 | 15 | 142 |
| Total  | 23.95 | 30 | 125 |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

**Clarksburg**

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|                         | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |                         | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|-------------------------|------------|------------|------------|-------------------------|------------|------------|------------|
| <u>Bladder, Urinary</u> |            |            |            | <u>Melanoma of Skin</u> |            |            |            |

|  |      |   |     |   |       |    |     |
|--|------|---|-----|---|-------|----|-----|
| Male   | 1.45 | 3 | NC* | Male  | 0.94  | 2  | NC* |
| Female   | 0.53 | 0 | NC* | Female                                      | 0.67  | 0  | NC* |
| Total  | 1.99 | 3 | NC* | Total                                       | 1.60  | 2  | NC* |
| <b><u>Brain and Other Central Nervous System</u></b> |      |   |     | <b><u>Multiple Myeloma</u></b>              |       |    |     |
| Male   | 0.41 | 0 | NC* | Male  | 0.29  | 0  | NC* |
| Female   | 0.32 | 0 | NC* | Female                                      | 0.24  | 0  | NC* |
| Total  | 0.72 | 0 | NC* | Total                                       | 0.53  | 0  | NC* |
| <b><u>Breast</u></b>                                 |      |   |     | <b><u>Non-Hodgkin('s) Lymphoma</u></b>      |       |    |     |
| Male   | 0.07 | 0 | NC* | Male  | 1.12  | 1  | NC* |
| Female   | 8.42 | 2 | NC* | Female                                      | 0.99  | 2  | NC* |
| Total  | 8.49 | 2 | NC* | Total                                       | 2.12  | 3  | NC* |
| <b><u>Cervix Uteri</u></b>                           |      |   |     | <b><u>Oral Cavity and Pharynx</u></b>       |       |    |     |
| Female   | 0.43 | 1 | NC* | Male  | 0.90  | 1  | NC* |
|  |      |   |     | Female                                      | 0.42  | 1  | NC* |
|  |      |   |     | Total                                       | 1.32  | 2  | NC* |
| <b><u>Colon / Rectum</u></b>                         |      |   |     | <b><u>Ovary</u></b>                         |       |    |     |
| Male   | 3.62 | 4 | NC* | Female                                      | 0.97  | 0  | NC* |
| Female   | 3.33 | 3 | NC* |   |       |    |     |
| Total  | 6.94 | 7 | 101 |   |       |    |     |
| <b><u>Esophagus</u></b>                              |      |   |     | <b><u>Pancreas</u></b>                      |       |    |     |
| Male   | 0.53 | 0 | NC* | Male  | 0.61  | 1  | NC* |
| Female   | 0.16 | 0 | NC* | Female                                      | 0.62  | 0  | NC* |
| Total  | 0.69 | 0 | NC* | Total                                       | 1.23  | 1  | NC* |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b>   |      |   |     | <b><u>Prostate</u></b>                      |       |    |     |
| Male   | 0.18 | 1 | NC* | Male  | 9.26  | 6  | 65  |
| Female   | 0.13 | 0 | NC* |   |       |    |     |
| Total  | 0.32 | 1 | NC* |   |       |    |     |
| <b><u>Kidney and Renal Pelvis</u></b>                |      |   |     | <b><u>Stomach</u></b>                       |       |    |     |
| Male   | 0.85 | 1 | NC* | Male  | 0.61  | 1  | NC* |
| Female   | 0.51 | 0 | NC* | Female                                      | 0.35  | 1  | NC* |
| Total  | 1.37 | 1 | NC* | Total                                       | 0.96  | 2  | NC* |
| <b><u>Larynx</u></b>                                 |      |   |     | <b><u>Testis</u></b>                        |       |    |     |
| Male   | 0.50 | 0 | NC* | Male  | 0.25  | 0  | NC* |
| Female   | 0.12 | 0 | NC* |   |       |    |     |
| Total  | 0.62 | 0 | NC* |   |       |    |     |
| <b><u>Leukemia</u></b>                               |      |   |     | <b><u>Thyroid</u></b>                       |       |    |     |
| Male   | 0.66 | 0 | NC* | Male  | 0.17  | 0  | NC* |
| Female   | 0.49 | 1 | NC* | Female                                      | 0.42  | 0  | NC* |
| Total  | 1.14 | 1 | NC* | Total                                       | 0.59  | 0  | NC* |
| <b><u>Liver and Intrahepatic Bile Ducts</u></b>      |      |   |     | <b><u>Uteri, Corpus and Uterus, NOS</u></b> |       |    |     |
| Male   | 0.33 | 1 | NC* | Female                                      | 1.67  | 3  | NC* |
| Female   | 0.13 | 0 | NC* |   |       |    |     |
| Total  | 0.47 | 1 | NC* |   |       |    |     |
| <b><u>Lung and Bronchus</u></b>                      |      |   |     | <b><u>All Sites / Types</u></b>             |       |    |     |
| Male   | 4.67 | 4 | NC* | Male  | 29.33 | 29 | 99  |
| Female   | 3.62 | 4 | NC* | Female                                      | 26.44 | 19 | 72  |
| Total  | 8.29 | 8 | 97  | Total                                       | 55.77 | 48 | 86  |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Clinton

### Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |   | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--|------------|------------|------------|---|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b>                       |            |            |            | <b><u>Melanoma of Skin</u></b>              |            |            |            |
| Male   | 8.04       | 10         | 124        | Male  | 5.33       | 3          | NC*        |
| Female   | 3.58       | 2          | NC*        | Female                                      | 4.55       | 1          | NC*        |
| Total  | 11.62      | 12         | 103        | Total                                       | 9.88       | 4          | NC*        |
| <b><u>Brain and Other Central Nervous System</u></b> |            |            |            | <b><u>Multiple Myeloma</u></b>              |            |            |            |
| Male   | 2.42       | 2          | NC*        | Male  | 1.55       | 2          | NC*        |
| Female   | 2.19       | 3          | NC*        | Female                                      | 1.57       | 2          | NC*        |
| Total  | 4.61       | 5          | 108        | Total                                       | 3.12       | 4          | NC*        |
| <b><u>Breast</u></b>                                 |            |            |            | <b><u>Non-Hodgkin('s) Lymphoma</u></b>      |            |            |            |
| Male   | 0.37       | 0          | NC*        | Male  | 6.51       | 8          | 123        |
| Female   | 53.11      | 50         | 94         | Female                                      | 6.74       | 7          | 104        |
| Total  | 53.48      | 50         | 93         | Total                                       | 13.24      | 15         | 113        |
| <b><u>Cervix Uteri</u></b>                           |            |            |            | <b><u>Oral Cavity and Pharynx</u></b>       |            |            |            |
| Female   | 3.08       | 2          | NC*        | Male  | 4.82       | 6          | 124        |
|  |            |            |            | Female                                      | 2.69       | 1          | NC*        |
|  |            |            |            | Total                                       | 7.51       | 7          | 93         |
| <b><u>Colon / Rectum</u></b>                         |            |            |            | <b><u>Ovary</u></b>                         |            |            |            |
| Male   | 19.96      | 25         | 125        | Female                                      | 6.25       | 10         | 160        |
| Female   | 22.62      | 27         | 119        |   |            |            |            |
| Total  | 42.59      | 52         | 122        |   |            |            |            |
| <b><u>Esophagus</u></b>                              |            |            |            | <b><u>Pancreas</u></b>                      |            |            |            |
| Male   | 2.80       | 2          | NC*        | Male  | 3.32       | 3          | NC*        |
| Female   | 1.10       | 2          | NC*        | Female                                      | 4.14       | 5          | 121        |
| Total  | 3.89       | 4          | NC*        | Total                                       | 7.46       | 8          | 107        |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b>   |            |            |            | <b><u>Prostate</u></b>                      |            |            |            |
| Male   | 1.29       | 2          | NC*        | Male  | 48.93      | 49         | 100        |
| Female   | 1.11       | 1          | NC*        |   |            |            |            |
| Total  | 2.40       | 3          | NC*        |   |            |            |            |
| <b><u>Kidney and Renal Pelvis</u></b>                |            |            |            | <b><u>Stomach</u></b>                       |            |            |            |
| Male   | 4.64       | 4          | NC*        | Male  | 3.35       | 5          | 149        |
| Female   | 3.31       | 6          | 181        | Female                                      | 2.44       | 1          | NC*        |
| Total  | 7.95       | 10         | 126        | Total                                       | 5.80       | 6          | 104        |
| <b><u>Larynx</u></b>                                 |            |            |            | <b><u>Testis</u></b>                        |            |            |            |
| Male   | 2.61       | 5          | 192        | Male  | 2.06       | 1          | NC*        |
| Female   | 0.74       | 0          | NC*        |   |            |            |            |
| Total  | 3.35       | 5          | 149        |   |            |            |            |
| <b><u>Leukemia</u></b>                               |            |            |            | <b><u>Thyroid</u></b>                       |            |            |            |
| Male   | 3.81       | 2          | NC*        | Male  | 1.08       | 2          | NC*        |
| Female   | 3.35       | 3          | NC*        | Female                                      | 3.17       | 4          | NC*        |
| Total  | 7.16       | 5          | 70         | Total                                       | 4.25       | 6          | 141        |
| <b><u>Liver and Intrahepatic Bile Ducts</u></b>      |            |            |            | <b><u>Uteri, Corpus and Uterus, NOS</u></b> |            |            |            |
| Male   | 1.80       | 3          | NC*        | Female                                      | 10.15      | 13         | 128        |
| Female   | 0.90       | 1          | NC*        |   |            |            |            |

|                                 |       |    |     |
|---------------------------------|-------|----|-----|
| Total                           | 2.69  | 4  | NC* |
| <b><u>Lung and Bronchus</u></b> |       |    |     |
| Male                            | 25.24 | 28 | 111 |
| Female                          | 23.04 | 31 | 135 |
| Total                           | 48.28 | 59 | 122 |

**All Sites / Types**

|        |        |     |     |
|--------|--------|-----|-----|
| Male   | 161.00 | 174 | 108 |
| Female | 172.77 | 192 | 111 |
| Total  | 333.77 | 366 | 110 |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Cohasset

### Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|                                | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--------------------------------|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b> |            |            |            |
| Male                           | 5.33       | 8          | 150        |
| Female                         | 2.06       | 3          | NC*        |
| Total                          | 7.39       | 11         | 149        |

|  |      |   |        |
|--|------|---|--------|
| <b><u>Brain and Other Central Nervous System</u></b> |      |   |        |
| Male   | 1.61 | 5 | 311 #+ |
| Female   | 1.28 | 0 | NC*    |
| Total  | 2.89 | 5 | 173    |

|                      |       |    |     |
|----------------------|-------|----|-----|
| <b><u>Breast</u></b> |       |    |     |
| Male                 | 0.26  | 1  | NC* |
| Female               | 33.98 | 42 | 124 |
| Total                | 34.24 | 43 | 126 |

|                            |      |   |     |
|----------------------------|------|---|-----|
| <b><u>Cervix Uteri</u></b> |      |   |     |
| Female                     | 1.81 | 3 | NC* |

|                              |       |    |     |
|------------------------------|-------|----|-----|
| <b><u>Colon / Rectum</u></b> |       |    |     |
| Male                         | 13.37 | 20 | 150 |
| Female                       | 12.83 | 14 | 109 |
| Total                        | 26.20 | 34 | 130 |

|                         |      |   |     |
|-------------------------|------|---|-----|
| <b><u>Esophagus</u></b> |      |   |     |
| Male                    | 2.03 | 3 | NC* |
| Female                  | 0.63 | 0 | NC* |
| Total                   | 2.66 | 3 | NC* |

|  |      |   |     |
|--|------|---|-----|
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b> |      |   |     |
| Male   | 0.72 | 0 | NC* |
| Female   | 0.57 | 1 | NC* |
| Total  | 1.29 | 1 | NC* |

|                                       |      |   |     |
|---------------------------------------|------|---|-----|
| <b><u>Kidney and Renal Pelvis</u></b> |      |   |     |
| Male                                  | 3.29 | 2 | NC* |
| Female                                | 2.03 | 1 | NC* |

|                                |      |    |        |
|--------------------------------|------|----|--------|
| <b><u>Melanoma of Skin</u></b> |      |    |        |
| Male                           | 3.61 | 4  | NC*    |
| Female                         | 2.73 | 9  | 330 ~+ |
| Total                          | 6.34 | 13 | 205 #+ |

|                                |      |   |     |
|--------------------------------|------|---|-----|
| <b><u>Multiple Myeloma</u></b> |      |   |     |
| Male                           | 1.07 | 0 | NC* |
| Female                         | 0.94 | 0 | NC* |
| Total                          | 2.02 | 0 | NC* |

|  |      |    |     |
|--|------|----|-----|
| <b><u>Non-Hodgkin('s) Lymphoma</u></b> |      |    |     |
| Male                                   | 4.29 | 5  | 117 |
| Female                                 | 3.90 | 5  | 128 |
| Total                                  | 8.19 | 10 | 122 |

|                                       |      |    |     |
|---------------------------------------|------|----|-----|
| <b><u>Oral Cavity and Pharynx</u></b> |      |    |     |
| Male                                  | 3.55 | 7  | 197 |
| Female                                | 1.67 | 3  | NC* |
| Total                                 | 5.22 | 10 | 192 |

|                     |      |   |     |
|---------------------|------|---|-----|
| <b><u>Ovary</u></b> |      |   |     |
| Female              | 3.91 | 5 | 128 |

|                        |      |   |     |
|------------------------|------|---|-----|
| <b><u>Pancreas</u></b> |      |   |     |
| Male                   | 2.30 | 1 | NC* |
| Female                 | 2.39 | 1 | NC* |
| Total                  | 4.69 | 2 | NC* |

|                        |       |    |        |
|------------------------|-------|----|--------|
| <b><u>Prostate</u></b> |       |    |        |
| Male                   | 35.35 | 50 | 141 #+ |

|                       |      |   |     |
|-----------------------|------|---|-----|
| <b><u>Stomach</u></b> |      |   |     |
| Male                  | 2.26 | 1 | NC* |
| Female                | 1.39 | 0 | NC* |

|                      |      |   |     |
|----------------------|------|---|-----|
| Total                | 5.32 | 3 | NC* |
| <b><u>Larynx</u></b> |      |   |     |
| Male                 | 1.93 | 2 | NC* |
| Female               | 0.48 | 1 | NC* |
| Total                | 2.42 | 3 | NC* |

|                        |      |   |     |
|------------------------|------|---|-----|
| <b><u>Leukemia</u></b> |      |   |     |
| Male                   | 2.50 | 2 | NC* |
| Female                 | 1.98 | 2 | NC* |
| Total                  | 4.48 | 4 | NC* |

|   |      |   |     |
|---|------|---|-----|
| <b><u>Liver and Intrahepatic Bile Ducts</u></b> |      |   |     |
| Male  | 1.28 | 3 | NC* |
| Female  | 0.52 | 0 | NC* |
| Total   | 1.81 | 3 | NC* |

|                                 |       |    |     |
|---------------------------------|-------|----|-----|
| <b><u>Lung and Bronchus</u></b> |       |    |     |
| Male                            | 17.60 | 14 | 80  |
| Female                          | 14.02 | 14 | 100 |
| Total                           | 31.62 | 28 | 89  |

|                      |      |   |     |
|----------------------|------|---|-----|
| Total                | 3.65 | 1 | NC* |
| <b><u>Testis</u></b> |      |   |     |
| Male                 | 0.99 | 1 | NC* |

|                       |      |   |     |
|-----------------------|------|---|-----|
| <b><u>Thyroid</u></b> |      |   |     |
| Male                  | 0.70 | 3 | NC* |
| Female                | 1.79 | 0 | NC* |
| Total                 | 2.49 | 3 | NC* |

|   |      |   |     |
|---|------|---|-----|
| <b><u>Uteri, Corpus and Uterus, NOS</u></b> |      |   |     |
| Female                                      | 6.68 | 8 | 120 |

|                                 |        |     |        |
|---------------------------------|--------|-----|--------|
| <b><u>All Sites / Types</u></b> |        |     |        |
| Male                            | 111.19 | 137 | 123 #+ |
| Female                          | 105.06 | 116 | 110    |
| Total                           | 216.25 | 253 | 117 #+ |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Colrain

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|                                |                   |                   |                   |
|--------------------------------|-------------------|-------------------|-------------------|
|                                | <b><u>Exp</u></b> | <b><u>Obs</u></b> | <b><u>SIR</u></b> |
| <b><u>Bladder, Urinary</u></b> |                   |                   |                   |
| Male                           | 1.22              | 1                 | NC*               |
| Female                         | 0.39              | 0                 | NC*               |
| Total                          | 1.61              | 1                 | NC*               |

|  |      |   |     |
|--|------|---|-----|
| <b><u>Brain and Other Central Nervous System</u></b> |      |   |     |
| Male   | 0.37 | 1 | NC* |
| Female   | 0.27 | 0 | NC* |
| Total  | 0.63 | 1 | NC* |

|                      |      |   |     |
|----------------------|------|---|-----|
| <b><u>Breast</u></b> |      |   |     |
| Male                 | 0.06 | 0 | NC* |
| Female               | 6.76 | 5 | 74  |
| Total                | 6.82 | 5 | 73  |

|                            |      |   |     |
|----------------------------|------|---|-----|
| <b><u>Cervix Uteri</u></b> |      |   |     |
| Female                     | 0.37 | 0 | NC* |

|                              |      |   |     |
|------------------------------|------|---|-----|
| <b><u>Colon / Rectum</u></b> |      |   |     |
| Male                         | 3.02 | 4 | NC* |
| Female                       | 2.46 | 5 | 204 |
| Total                        | 5.47 | 9 | 164 |

|                                |                   |                   |                   |
|--------------------------------|-------------------|-------------------|-------------------|
|                                | <b><u>Exp</u></b> | <b><u>Obs</u></b> | <b><u>SIR</u></b> |
| <b><u>Melanoma of Skin</u></b> |                   |                   |                   |
| Male                           | 0.81              | 0                 | NC*               |
| Female                         | 0.55              | 0                 | NC*               |
| Total                          | 1.37              | 0                 | NC*               |

|                                |      |   |     |
|--------------------------------|------|---|-----|
| <b><u>Multiple Myeloma</u></b> |      |   |     |
| Male                           | 0.24 | 3 | NC* |
| Female                         | 0.18 | 1 | NC* |
| Total                          | 0.42 | 4 | NC* |

|  |      |   |     |
|--|------|---|-----|
| <b><u>Non-Hodgkin('s) Lymphoma</u></b> |      |   |     |
| Male                                   | 0.98 | 0 | NC* |
| Female                                 | 0.78 | 0 | NC* |
| Total                                  | 1.76 | 0 | NC* |

|                                       |      |   |     |
|---------------------------------------|------|---|-----|
| <b><u>Oral Cavity and Pharynx</u></b> |      |   |     |
| Male                                  | 0.76 | 0 | NC* |
| Female                                | 0.33 | 0 | NC* |
| Total                                 | 1.09 | 0 | NC* |

|                     |      |   |     |
|---------------------|------|---|-----|
| <b><u>Ovary</u></b> |      |   |     |
| Female              | 0.79 | 1 | NC* |

|  |      |   |     |   |       |    |     |
|--|------|---|-----|---|-------|----|-----|
| <b><u>Esophagus</u></b>                            |      |   |     | <b><u>Pancreas</u></b>                      |       |    |     |
| Male   | 0.44 | 0 | NC* | Male  | 0.51  | 3  | NC* |
| Female   | 0.12 | 0 | NC* | Female                                      | 0.46  | 0  | NC* |
| Total  | 0.56 | 0 | NC* | Total                                       | 0.97  | 3  | NC* |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b> |      |   |     | <b><u>Prostate</u></b>                      |       |    |     |
| Male   | 0.18 | 0 | NC* | Male  | 7.48  | 5  | 67  |
| Female   | 0.12 | 0 | NC* |   |       |    |     |
| Total  | 0.31 | 0 | NC* |   |       |    |     |
| <b><u>Kidney and Renal Pelvis</u></b>              |      |   |     | <b><u>Stomach</u></b>                       |       |    |     |
| Male   | 0.72 | 1 | NC* | Male  | 0.51  | 1  | NC* |
| Female   | 0.40 | 1 | NC* | Female                                      | 0.26  | 0  | NC* |
| Total  | 1.13 | 2 | NC* | Total                                       | 0.77  | 1  | NC* |
| <b><u>Larynx</u></b>                               |      |   |     | <b><u>Testis</u></b>                        |       |    |     |
| Male   | 0.41 | 1 | NC* | Male  | 0.27  | 0  | NC* |
| Female   | 0.10 | 0 | NC* |   |       |    |     |
| Total  | 0.51 | 1 | NC* |   |       |    |     |
| <b><u>Leukemia</u></b>                             |      |   |     | <b><u>Thyroid</u></b>                       |       |    |     |
| Male   | 0.58 | 1 | NC* | Male  | 0.16  | 0  | NC* |
| Female   | 0.40 | 0 | NC* | Female                                      | 0.38  | 1  | NC* |
| Total  | 0.97 | 1 | NC* | Total                                       | 0.54  | 1  | NC* |
| <b><u>Liver and Intrahepatic Bile Ducts</u></b>    |      |   |     | <b><u>Uteri, Corpus and Uterus, NOS</u></b> |       |    |     |
| Male   | 0.28 | 0 | NC* | Female                                      | 1.33  | 1  | NC* |
| Female   | 0.10 | 0 | NC* |   |       |    |     |
| Total  | 0.38 | 0 | NC* |   |       |    |     |
| <b><u>Lung and Bronchus</u></b>                    |      |   |     | <b><u>All Sites / Types</u></b>             |       |    |     |
| Male   | 3.84 | 0 | NC* | Male  | 24.50 | 22 | 90  |
| Female   | 2.80 | 0 | NC* | Female                                      | 20.79 | 17 | 82  |
| Total  | 6.63 | 0 | NC* | Total                                       | 45.29 | 39 | 86  |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Concord

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <b><u>Exp</u></b> | <b><u>Obs</u></b> | <b><u>SIR</u></b> |  | <b><u>Exp</u></b> | <b><u>Obs</u></b> | <b><u>SIR</u></b> |
|--|-------------------|-------------------|-------------------|--|-------------------|-------------------|-------------------|
| <b><u>Bladder, Urinary</u></b>                       |                   |                   |                   | <b><u>Melanoma of Skin</u></b>         |                   |                   |                   |
| Male   | 14.13             | 9                 | 64                | Male                                   | 9.94              | 15                | 151               |
| Female   | 4.62              | 2                 | NC*               | Female                                 | 6.35              | 7                 | 110               |
| Total  | 18.75             | 11                | 59                | Total                                  | 16.28             | 22                | 135               |
| <b><u>Brain and Other Central Nervous System</u></b> |                   |                   |                   | <b><u>Multiple Myeloma</u></b>         |                   |                   |                   |
| Male   | 4.42              | 2                 | NC*               | Male                                   | 2.85              | 0                 | NC*               |
| Female   | 2.99              | 2                 | NC*               | Female                                 | 2.18              | 5                 | 229               |
| Total  | 7.41              | 4                 | NC*               | Total                                  | 5.03              | 5                 | 99                |
| <b><u>Breast</u></b>                                 |                   |                   |                   | <b><u>Non-Hodgkin('s) Lymphoma</u></b> |                   |                   |                   |

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 0.69  | 0  | NC* |
| Female | 80.56 | 99 | 123 |
| Total  | 81.25 | 99 | 122 |

#### Cervix Uteri

|        |      |   |     |
|--------|------|---|-----|
| Female | 4.22 | 1 | NC* |
|--------|------|---|-----|

#### Colon / Rectum

|        |       |    |       |
|--------|-------|----|-------|
| Male   | 35.49 | 22 | 62 #- |
| Female | 28.70 | 37 | 129   |
| Total  | 64.19 | 59 | 92    |

#### Esophagus

|        |      |   |     |
|--------|------|---|-----|
| Male   | 5.39 | 4 | NC* |
| Female | 1.40 | 2 | NC* |
| Total  | 6.79 | 6 | 88  |

#### Hodgkin's Disease (Hodgkin Lymphoma)

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.20 | 4 | NC* |
| Female | 1.28 | 3 | NC* |
| Total  | 3.47 | 7 | 202 |

#### Kidney and Renal Pelvis

|        |       |   |     |
|--------|-------|---|-----|
| Male   | 8.81  | 5 | 57  |
| Female | 4.76  | 4 | NC* |
| Total  | 13.57 | 9 | 66  |

#### Larynx

|        |      |   |     |
|--------|------|---|-----|
| Male   | 5.14 | 3 | NC* |
| Female | 1.16 | 2 | NC* |
| Total  | 6.30 | 5 | 79  |

#### Leukemia

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 6.70  | 5  | 75  |
| Female | 4.51  | 6  | 133 |
| Total  | 11.21 | 11 | 98  |

#### Liver and Intrahepatic Bile Ducts

|        |      |   |     |
|--------|------|---|-----|
| Male   | 3.43 | 2 | NC* |
| Female | 1.19 | 1 | NC* |
| Total  | 4.62 | 3 | NC* |

#### Lung and Bronchus

|        |       |    |       |
|--------|-------|----|-------|
| Male   | 46.52 | 25 | 54 ^- |
| Female | 33.10 | 18 | 54 ~- |
| Total  | 79.62 | 43 | 54 ^- |

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 11.79 | 11 | 93  |
| Female | 8.97  | 10 | 111 |
| Total  | 20.76 | 21 | 101 |

#### Oral Cavity and Pharynx

|        |       |   |       |
|--------|-------|---|-------|
| Male   | 9.53  | 3 | NC*   |
| Female | 3.91  | 2 | NC*   |
| Total  | 13.44 | 5 | 37 #- |

#### Ovary

|        |      |   |    |
|--------|------|---|----|
| Female | 9.24 | 8 | 87 |
|--------|------|---|----|

#### Pancreas

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 6.11  | 4  | NC* |
| Female | 5.39  | 7  | 130 |
| Total  | 11.50 | 11 | 96  |

#### Prostate

|      |       |    |    |
|------|-------|----|----|
| Male | 92.83 | 75 | 81 |
|------|-------|----|----|

#### Stomach

|        |      |   |     |
|--------|------|---|-----|
| Male   | 6.03 | 5 | 83  |
| Female | 3.06 | 3 | NC* |
| Total  | 9.08 | 8 | 88  |

#### Testis

|      |      |   |     |
|------|------|---|-----|
| Male | 3.35 | 4 | NC* |
|------|------|---|-----|

#### Thyroid

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.04 | 2 | NC* |
| Female | 4.15 | 4 | NC* |
| Total  | 6.19 | 6 | 97  |

#### Uteri, Corpus and Uterus, NOS

|        |       |    |    |
|--------|-------|----|----|
| Female | 16.02 | 10 | 62 |
|--------|-------|----|----|

#### All Sites / Types

|        |        |     |       |
|--------|--------|-----|-------|
| Male   | 296.72 | 206 | 69 ^- |
| Female | 244.56 | 255 | 104   |
| Total  | 541.28 | 461 | 85 ^- |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Conway

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |   | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--|------------|------------|------------|---|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b>                       |            |            |            | <b><u>Melanoma of Skin</u></b>              |            |            |            |
| Male   | 1.00       | 1          | NC*        | Male  | 0.75       | 1          | NC*        |
| Female   | 0.35       | 1          | NC*        | Female                                      | 0.54       | 2          | NC*        |
| Total  | 1.35       | 2          | NC*        | Total                                       | 1.29       | 3          | NC*        |
| <b><u>Brain and Other Central Nervous System</u></b> |            |            |            | <b><u>Multiple Myeloma</u></b>              |            |            |            |
| Male   | 0.34       | 0          | NC*        | Male  | 0.21       | 0          | NC*        |
| Female   | 0.25       | 0          | NC*        | Female                                      | 0.17       | 0          | NC*        |
| Total  | 0.60       | 0          | NC*        | Total                                       | 0.38       | 0          | NC*        |
| <b><u>Breast</u></b>                                 |            |            |            | <b><u>Non-Hodgkin('s) Lymphoma</u></b>      |            |            |            |
| Male   | 0.05       | 0          | NC*        | Male  | 0.88       | 0          | NC*        |
| Female   | 6.52       | 8          | 123        | Female                                      | 0.71       | 1          | NC*        |
| Total  | 6.57       | 8          | 122        | Total                                       | 1.58       | 1          | NC*        |
| <b><u>Cervix Uteri</u></b>                           |            |            |            | <b><u>Oral Cavity and Pharynx</u></b>       |            |            |            |
| Female   | 0.38       | 0          | NC*        | Male  | 0.75       | 1          | NC*        |
|  |            |            |            | Female                                      | 0.31       | 1          | NC*        |
|  |            |            |            | Total                                       | 1.06       | 2          | NC*        |
| <b><u>Colon / Rectum</u></b>                         |            |            |            | <b><u>Ovary</u></b>                         |            |            |            |
| Male   | 2.52       | 1          | NC*        | Female                                      | 0.76       | 0          | NC*        |
| Female   | 2.18       | 4          | NC*        |   |            |            |            |
| Total  | 4.70       | 5          | 106        |   |            |            |            |
| <b><u>Esophagus</u></b>                              |            |            |            | <b><u>Pancreas</u></b>                      |            |            |            |
| Male   | 0.41       | 0          | NC*        | Male  | 0.45       | 0          | NC*        |
| Female   | 0.11       | 0          | NC*        | Female                                      | 0.40       | 0          | NC*        |
| Total  | 0.51       | 0          | NC*        | Total                                       | 0.85       | 0          | NC*        |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b>   |            |            |            | <b><u>Prostate</u></b>                      |            |            |            |
| Male   | 0.16       | 0          | NC*        | Male  | 6.74       | 6          | 89         |
| Female   | 0.12       | 0          | NC*        |   |            |            |            |
| Total  | 0.29       | 0          | NC*        |   |            |            |            |
| <b><u>Kidney and Renal Pelvis</u></b>                |            |            |            | <b><u>Stomach</u></b>                       |            |            |            |
| Male   | 0.67       | 1          | NC*        | Male  | 0.44       | 0          | NC*        |
| Female   | 0.37       | 0          | NC*        | Female                                      | 0.24       | 0          | NC*        |
| Total  | 1.04       | 1          | NC*        | Total                                       | 0.67       | 0          | NC*        |
| <b><u>Larynx</u></b>                                 |            |            |            | <b><u>Testis</u></b>                        |            |            |            |
| Male   | 0.39       | 0          | NC*        | Male  | 0.23       | 1          | NC*        |
| Female   | 0.09       | 0          | NC*        |   |            |            |            |
| Total  | 0.48       | 0          | NC*        |   |            |            |            |
| <b><u>Leukemia</u></b>                               |            |            |            | <b><u>Thyroid</u></b>                       |            |            |            |
| Male   | 0.51       | 1          | NC*        | Male  | 0.16       | 0          | NC*        |
| Female   | 0.38       | 0          | NC*        | Female                                      | 0.39       | 1          | NC*        |
| Total  | 0.88       | 1          | NC*        | Total                                       | 0.55       | 1          | NC*        |
| <b><u>Liver and Intrahepatic Bile Ducts</u></b>      |            |            |            | <b><u>Uteri, Corpus and Uterus, NOS</u></b> |            |            |            |
| Male   | 0.26       | 0          | NC*        | Female                                      | 1.26       | 0          | NC*        |
| Female   | 0.09       | 0          | NC*        |   |            |            |            |
| Total  | 0.35       | 0          | NC*        |   |            |            |            |
| <b><u>Lung and Bronchus</u></b>                      |            |            |            | <b><u>All Sites / Types</u></b>             |            |            |            |
| Male   | 3.36       | 2          | NC*        | Male  | 21.67      | 18         | 83         |
| Female   | 2.48       | 1          | NC*        | Female                                      | 19.45      | 20         | 103        |
| Total  | 5.84       | 3          | NC*        | Total                                       | 41.12      | 38         | 92         |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Cummington

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--|------------|------------|------------|--|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b>                       |            |            |            | <b><u>Melanoma of Skin</u></b>         |            |            |            |
| Male   | 0.57       | 0          | NC*        | Male                                   | 0.39       | 0          | NC*        |
| Female   | 0.20       | 0          | NC*        | Female                                 | 0.26       | 0          | NC*        |
| Total  | 0.77       | 0          | NC*        | Total                                  | 0.65       | 0          | NC*        |
| <b><u>Brain and Other Central Nervous System</u></b> |            |            |            | <b><u>Multiple Myeloma</u></b>         |            |            |            |
| Male   | 0.17       | 0          | NC*        | Male                                   | 0.11       | 1          | NC*        |
| Female   | 0.12       | 0          | NC*        | Female                                 | 0.09       | 1          | NC*        |
| Total  | 0.30       | 0          | NC*        | Total                                  | 0.20       | 2          | NC*        |
| <b><u>Breast</u></b>                                 |            |            |            | <b><u>Non-Hodgkin('s) Lymphoma</u></b> |            |            |            |
| Male   | 0.03       | 0          | NC*        | Male                                   | 0.47       | 0          | NC*        |
| Female   | 3.13       | 3          | NC*        | Female                                 | 0.38       | 0          | NC*        |
| Total  | 3.16       | 3          | NC*        | Total                                  | 0.84       | 0          | NC*        |
| <b><u>Cervix Uteri</u></b>                           |            |            |            | <b><u>Oral Cavity and Pharynx</u></b>  |            |            |            |
| Female   | 0.17       | 0          | NC*        | Male                                   | 0.37       | 0          | NC*        |
|  |            |            |            | Female                                 | 0.16       | 0          | NC*        |
|  |            |            |            | Total                                  | 0.53       | 0          | NC*        |
| <b><u>Colon / Rectum</u></b>                         |            |            |            | <b><u>Ovary</u></b>                    |            |            |            |
| Male   | 1.41       | 1          | NC*        | Female                                 | 0.36       | 0          | NC*        |
| Female   | 1.26       | 2          | NC*        |  |            |            |            |
| Total  | 2.68       | 3          | NC*        |  |            |            |            |
| <b><u>Esophagus</u></b>                              |            |            |            | <b><u>Pancreas</u></b>                 |            |            |            |
| Male   | 0.21       | 0          | NC*        | Male                                   | 0.24       | 0          | NC*        |
| Female   | 0.06       | 0          | NC*        | Female                                 | 0.23       | 0          | NC*        |
| Total  | 0.27       | 0          | NC*        | Total                                  | 0.47       | 0          | NC*        |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b>   |            |            |            | <b><u>Prostate</u></b>                 |            |            |            |
| Male   | 0.09       | 0          | NC*        | Male                                   | 3.59       | 2          | NC*        |
| Female   | 0.06       | 1          | NC*        |  |            |            |            |
| Total  | 0.14       | 1          | NC*        |  |            |            |            |
| <b><u>Kidney and Renal Pelvis</u></b>                |            |            |            | <b><u>Stomach</u></b>                  |            |            |            |
| Male   | 0.34       | 0          | NC*        | Male                                   | 0.24       | 0          | NC*        |
| Female   | 0.19       | 0          | NC*        | Female                                 | 0.14       | 0          | NC*        |
| Total  | 0.53       | 0          | NC*        | Total                                  | 0.38       | 0          | NC*        |
| <b><u>Larynx</u></b>                                 |            |            |            | <b><u>Testis</u></b>                   |            |            |            |
| Male   | 0.20       | 0          | NC*        | Male                                   | 0.13       | 0          | NC*        |
| Female   | 0.04       | 0          | NC*        |  |            |            |            |
| Total  | 0.24       | 0          | NC*        |  |            |            |            |
| <b><u>Leukemia</u></b>                               |            |            |            | <b><u>Thyroid</u></b>                  |            |            |            |
| Male   | 0.27       | 1          | NC*        | Male                                   | 0.08       | 0          | NC*        |
| Female   | 0.19       | 0          | NC*        | Female                                 | 0.17       | 0          | NC*        |
| Total  | 0.46       | 1          | NC*        | Total                                  | 0.25       | 0          | NC*        |

**Liver and Intrahepatic Bile Ducts**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.13 | 0 | NC* |
| Female | 0.05 | 0 | NC* |
| Total  | 0.18 | 0 | NC* |

**Lung and Bronchus**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 1.82 | 0 | NC* |
| Female | 1.32 | 0 | NC* |
| Total  | 3.14 | 0 | NC* |

**Uteri, Corpus and Uterus, NOS**

|        |      |   |     |
|--------|------|---|-----|
| Female | 0.61 | 1 | NC* |
|--------|------|---|-----|

**All Sites / Types**

|        |       |    |    |
|--------|-------|----|----|
| Male   | 11.63 | 5  | 43 |
| Female | 9.92  | 8  | 81 |
| Total  | 21.55 | 13 | 60 |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

**Dalton****Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999**

|  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--|------------|------------|------------|--|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b>                       |            |            |            | <b><u>Melanoma of Skin</u></b>         |            |            |            |
| Male   | 5.23       | 6          | 115        | Male                                   | 3.40       | 2          | NC*        |
| Female   | 2.00       | 3          | NC*        | Female                                 | 2.55       | 1          | NC*        |
| Total  | 7.23       | 9          | 125        | Total                                  | 5.95       | 3          | NC*        |
| <b><u>Brain and Other Central Nervous System</u></b> |            |            |            | <b><u>Multiple Myeloma</u></b>         |            |            |            |
| Male   | 1.50       | 0          | NC*        | Male                                   | 1.02       | 0          | NC*        |
| Female   | 1.22       | 1          | NC*        | Female                                 | 0.91       | 0          | NC*        |
| Total  | 2.72       | 1          | NC*        | Total                                  | 1.93       | 0          | NC*        |
| <b><u>Breast</u></b>                                 |            |            |            | <b><u>Non-Hodgkin('s) Lymphoma</u></b> |            |            |            |
| Male   | 0.24       | 0          | NC*        | Male                                   | 4.11       | 3          | NC*        |
| Female   | 31.62      | 34         | 108        | Female                                 | 3.76       | 3          | NC*        |
| Total  | 31.87      | 34         | 107        | Total                                  | 7.87       | 6          | 76         |
| <b><u>Cervix Uteri</u></b>                           |            |            |            | <b><u>Oral Cavity and Pharynx</u></b>  |            |            |            |
| Female   | 1.67       | 0          | NC*        | Male                                   | 3.22       | 2          | NC*        |
|  |            |            |            | Female                                 | 1.58       | 1          | NC*        |
|  |            |            |            | Total                                  | 4.79       | 3          | NC*        |
| <b><u>Colon / Rectum</u></b>                         |            |            |            | <b><u>Ovary</u></b>                    |            |            |            |
| Male   | 12.95      | 10         | 77         | Female                                 | 3.65       | 3          | NC*        |
| Female   | 12.52      | 12         | 96         |  |            |            |            |
| Total  | 25.47      | 22         | 86         |  |            |            |            |
| <b><u>Esophagus</u></b>                              |            |            |            | <b><u>Pancreas</u></b>                 |            |            |            |
| Male   | 1.87       | 0          | NC*        | Male                                   | 2.19       | 2          | NC*        |
| Female   | 0.61       | 1          | NC*        | Female                                 | 2.32       | 1          | NC*        |
| Total  | 2.48       | 1          | NC*        | Total                                  | 4.51       | 3          | NC*        |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b>   |            |            |            | <b><u>Prostate</u></b>                 |            |            |            |
| Male   | 0.71       | 1          | NC*        | Male                                   | 32.22      | 22         | 68         |
| Female   | 0.54       | 1          | NC*        |  |            |            |            |
| Total  | 1.25       | 2          | NC*        |  |            |            |            |
| <b><u>Kidney and Renal Pelvis</u></b>                |            |            |            | <b><u>Stomach</u></b>                  |            |            |            |

|        |      |   |     |
|--------|------|---|-----|
| Male   | 3.04 | 2 | NC* |
| Female | 1.93 | 4 | NC* |
| Total  | 4.98 | 6 | 121 |

#### Larynx

|        |      |   |     |
|--------|------|---|-----|
| Male   | 1.74 | 0 | NC* |
| Female | 0.45 | 0 | NC* |
| Total  | 2.20 | 0 | NC* |

#### Leukemia

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.41 | 4 | NC* |
| Female | 1.89 | 0 | NC* |
| Total  | 4.30 | 4 | NC* |

#### Liver and Intrahepatic Bile Ducts

|        |      |   |     |
|--------|------|---|-----|
| Male   | 1.18 | 0 | NC* |
| Female | 0.51 | 1 | NC* |
| Total  | 1.69 | 1 | NC* |

#### Lung and Bronchus

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 16.44 | 16 | 97  |
| Female | 13.47 | 14 | 104 |
| Total  | 29.90 | 30 | 100 |

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.20 | 1 | NC* |
| Female | 1.34 | 0 | NC* |
| Total  | 3.54 | 1 | NC* |

#### Testis

|      |      |   |     |
|------|------|---|-----|
| Male | 1.02 | 2 | NC* |
|------|------|---|-----|

#### Thyroid

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.65 | 1 | NC* |
| Female | 1.66 | 2 | NC* |
| Total  | 2.31 | 3 | NC* |

#### Uteri, Corpus and Uterus, NOS

|        |      |   |     |
|--------|------|---|-----|
| Female | 6.21 | 7 | 113 |
|--------|------|---|-----|

#### All Sites / Types

|        |        |     |       |
|--------|--------|-----|-------|
| Male   | 104.33 | 81  | 78 #– |
| Female | 99.60  | 92  | 92    |
| Total  | 203.93 | 173 | 85 #– |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

– indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Danvers

### Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|                                | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--------------------------------|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b> |            |            |            |
| Male                           | 16.96      | 27         | 159 #+     |
| Female                         | 6.83       | 9          | 132        |
| Total                          | 23.79      | 36         | 151 #+     |

#### **Brain and Other Central Nervous System**

|        |      |    |     |
|--------|------|----|-----|
| Male   | 5.15 | 5  | 97  |
| Female | 4.32 | 5  | 116 |
| Total  | 9.47 | 10 | 106 |

#### **Breast**

|        |        |     |     |
|--------|--------|-----|-----|
| Male   | 0.81   | 1   | NC* |
| Female | 110.71 | 99  | 89  |
| Total  | 111.52 | 100 | 90  |

#### **Cervix Uteri**

|        |      |   |     |
|--------|------|---|-----|
| Female | 6.15 | 9 | 146 |
|--------|------|---|-----|

#### **Colon / Rectum**

|      |       |    |     |
|------|-------|----|-----|
| Male | 42.49 | 44 | 104 |
|------|-------|----|-----|

|                                | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--------------------------------|------------|------------|------------|
| <b><u>Melanoma of Skin</u></b> |            |            |            |
| Male                           | 11.48      | 17         | 148        |
| Female                         | 9.12       | 14         | 154        |
| Total                          | 20.59      | 31         | 151 #+     |

#### **Multiple Myeloma**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 3.36 | 3 | NC* |
| Female | 3.11 | 1 | NC* |
| Total  | 6.47 | 4 | NC* |

#### **Non-Hodgkin('s) Lymphoma**

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 13.76 | 13 | 94  |
| Female | 13.07 | 16 | 122 |
| Total  | 26.83 | 29 | 108 |

#### **Oral Cavity and Pharynx**

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 10.89 | 10 | 92  |
| Female | 5.47  | 6  | 110 |
| Total  | 16.36 | 16 | 98  |

#### **Ovary**

|  |        |     |        |   |        |     |     |
|--|--------|-----|--------|---|--------|-----|-----|
| Female   | 42.76  | 49  | 115    | Female                                      | 12.86  | 16  | 124 |
| Total  | 85.25  | 93  | 109    |   |        |     |     |
| <b><u>Esophagus</u></b>                            |        |     |        | <b><u>Pancreas</u></b>                      |        |     |     |
| Male   | 6.27   | 6   | 96     | Male  | 7.22   | 12  | 166 |
| Female   | 2.09   | 2   | NC*    | Female                                      | 7.94   | 8   | 101 |
| Total  | 8.36   | 8   | 96     | Total                                       | 15.15  | 20  | 132 |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b> |        |     |        | <b><u>Prostate</u></b>                      |        |     |     |
| Male   | 2.53   | 1   | NC*    | Male  | 110.15 | 106 | 96  |
| Female   | 2.04   | 0   | NC*    |   |        |     |     |
| Total  | 4.58   | 1   | NC*    |   |        |     |     |
| <b><u>Kidney and Renal Pelvis</u></b>              |        |     |        | <b><u>Stomach</u></b>                       |        |     |     |
| Male   | 10.23  | 14  | 137    | Male  | 7.13   | 4   | NC* |
| Female   | 6.70   | 3   | NC*    | Female                                      | 4.61   | 2   | NC* |
| Total  | 16.92  | 17  | 100    | Total                                       | 11.74  | 6   | 51  |
| <b><u>Larynx</u></b>                               |        |     |        | <b><u>Testis</u></b>                        |        |     |     |
| Male   | 5.94   | 2   | NC*    | Male  | 3.82   | 1   | NC* |
| Female   | 1.56   | 0   | NC*    |   |        |     |     |
| Total  | 7.51   | 2   | NC*    |   |        |     |     |
| <b><u>Leukemia</u></b>                             |        |     |        | <b><u>Thyroid</u></b>                       |        |     |     |
| Male   | 7.96   | 5   | 63     | Male  | 2.30   | 3   | NC* |
| Female   | 6.57   | 4   | NC*    | Female                                      | 6.20   | 5   | 81  |
| Total  | 14.54  | 9   | 62     | Total                                       | 8.50   | 8   | 94  |
| <b><u>Liver and Intrahepatic Bile Ducts</u></b>    |        |     |        | <b><u>Uteri, Corpus and Uterus, NOS</u></b> |        |     |     |
| Male   | 3.99   | 6   | 150    | Female                                      | 21.56  | 23  | 107 |
| Female   | 1.74   | 0   | NC*    |   |        |     |     |
| Total  | 5.73   | 6   | 105    |   |        |     |     |
| <b><u>Lung and Bronchus</u></b>                    |        |     |        | <b><u>All Sites / Types</u></b>             |        |     |     |
| Male   | 55.41  | 72  | 130 #+ | Male  | 350.84 | 372 | 106 |
| Female   | 46.34  | 53  | 114    | Female                                      | 346.59 | 351 | 101 |
| Total  | 101.75 | 125 | 123 #+ | Total                                       | 697.43 | 723 | 104 |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Dartmouth

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <b><u>Exp</u></b> | <b><u>Obs</u></b> | <b><u>SIR</u></b> |                                | <b><u>Exp</u></b> | <b><u>Obs</u></b> | <b><u>SIR</u></b> |
|--|-------------------|-------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|
| <b><u>Bladder, Urinary</u></b>                       |                   |                   |                   | <b><u>Melanoma of Skin</u></b> |                   |                   |                   |
| Male   | 21.83             | 21                | 96                | Male                           | 14.55             | 10                | 69                |
| Female   | 8.57              | 4                 | NC*               | Female                         | 11.07             | 14                | 126               |
| Total  | 30.40             | 25                | 82                | Total                          | 25.62             | 24                | 94                |
| <b><u>Brain and Other Central Nervous System</u></b> |                   |                   |                   | <b><u>Multiple Myeloma</u></b> |                   |                   |                   |
| Male   | 6.41              | 5                 | 78                | Male                           | 4.32              | 0                 | NC*               |
| Female   | 5.24              | 4                 | NC*               | Female                         | 3.90              | 3                 | NC*               |

|               |        |     |     |
|---------------|--------|-----|-----|
| Total         | 11.65  | 9   | 77  |
| <b>Breast</b> |        |     |     |
| Male          | 1.04   | 1   | NC* |
| Female        | 137.19 | 135 | 98  |
| Total         | 138.22 | 136 | 98  |

**Cervix Uteri**

|        |      |   |     |
|--------|------|---|-----|
| Female | 7.28 | 3 | NC* |
|--------|------|---|-----|

**Colon / Rectum**

|        |        |    |     |
|--------|--------|----|-----|
| Male   | 54.24  | 54 | 100 |
| Female | 53.75  | 42 | 78  |
| Total  | 107.99 | 96 | 89  |

**Esophagus**

|        |       |   |     |
|--------|-------|---|-----|
| Male   | 7.97  | 6 | 75  |
| Female | 2.62  | 3 | NC* |
| Total  | 10.59 | 9 | 85  |

**Hodgkin's Disease (Hodgkin Lymphoma)**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 3.04 | 5 | 165 |
| Female | 2.34 | 2 | NC* |
| Total  | 5.38 | 7 | 130 |

**Kidney and Renal Pelvis**

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 13.04 | 14 | 107 |
| Female | 8.31  | 5  | 60  |
| Total  | 21.35 | 19 | 89  |

**Larynx**

|        |      |    |     |
|--------|------|----|-----|
| Male   | 7.51 | 10 | 133 |
| Female | 1.94 | 1  | NC* |
| Total  | 9.45 | 11 | 116 |

**Leukemia**

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 10.15 | 12 | 118 |
| Female | 8.12  | 6  | 74  |
| Total  | 18.27 | 18 | 99  |

**Liver and Intrahepatic Bile Ducts**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 5.05 | 7 | 139 |
| Female | 2.17 | 1 | NC* |
| Total  | 7.22 | 8 | 111 |

**Lung and Bronchus**

|        |        |    |       |
|--------|--------|----|-------|
| Male   | 69.57  | 53 | 76 #- |
| Female | 57.72  | 24 | 42 ^- |
| Total  | 127.29 | 77 | 60 ^- |

|  |       |    |     |
|--|-------|----|-----|
| Total                                  | 8.22  | 3  | NC* |
| <b><u>Non-Hodgkin('s) Lymphoma</u></b> |       |    |     |
| Male                                   | 17.45 | 15 | 86  |
| Female                                 | 16.17 | 20 | 124 |
| Total                                  | 33.61 | 35 | 104 |

**Oral Cavity and Pharynx**

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 13.89 | 11 | 79  |
| Female | 6.81  | 2  | NC* |
| Total  | 20.70 | 13 | 63  |

**Ovary**

|        |       |    |    |
|--------|-------|----|----|
| Female | 15.82 | 12 | 76 |
|--------|-------|----|----|

**Pancreas**

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 9.22  | 13 | 141 |
| Female | 9.93  | 8  | 81  |
| Total  | 19.15 | 21 | 110 |

**Prostate**

|      |        |     |     |
|------|--------|-----|-----|
| Male | 136.97 | 148 | 108 |
|------|--------|-----|-----|

**Stomach**

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 9.23  | 10 | 108 |
| Female | 5.77  | 5  | 87  |
| Total  | 15.00 | 15 | 100 |

**Testis**

|      |      |   |     |
|------|------|---|-----|
| Male | 4.39 | 1 | NC* |
|------|------|---|-----|

**Thyroid**

|        |       |   |     |
|--------|-------|---|-----|
| Male   | 2.82  | 1 | NC* |
| Female | 7.23  | 4 | NC* |
| Total  | 10.05 | 5 | 50  |

**Uteri, Corpus and Uterus, NOS**

|        |       |    |    |
|--------|-------|----|----|
| Female | 26.91 | 20 | 74 |
|--------|-------|----|----|

**All Sites / Types**

|        |        |     |       |
|--------|--------|-----|-------|
| Male   | 441.99 | 421 | 95    |
| Female | 429.89 | 353 | 82 ^- |
| Total  | 871.88 | 774 | 89 ^- |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

# Dedham

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |   | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--|------------|------------|------------|---|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b>                       |            |            |            | <b><u>Melanoma of Skin</u></b>              |            |            |            |
| Male   | 17.60      | 21         | 119        | Male  | 11.18      | 14         | 125        |
| Female   | 6.81       | 7          | 103        | Female                                      | 8.54       | 13         | 152        |
| Total  | 24.41      | 28         | 115        | Total                                       | 19.71      | 27         | 137        |
| <b><u>Brain and Other Central Nervous System</u></b> |            |            |            | <b><u>Multiple Myeloma</u></b>              |            |            |            |
| Male   | 4.88       | 6          | 123        | Male  | 3.37       | 4          | NC*        |
| Female   | 4.08       | 4          | NC*        | Female                                      | 3.06       | 3          | NC*        |
| Total  | 8.96       | 10         | 112        | Total                                       | 6.43       | 7          | 109        |
| <b><u>Breast</u></b>                                 |            |            |            | <b><u>Non-Hodgkin('s) Lymphoma</u></b>      |            |            |            |
| Male   | 0.81       | 0          | NC*        | Male  | 13.59      | 9          | 66         |
| Female   | 104.71     | 97         | 93         | Female                                      | 12.77      | 15         | 117        |
| Total  | 105.52     | 97         | 92         | Total                                       | 26.36      | 24         | 91         |
| <b><u>Cervix Uteri</u></b>                           |            |            |            | <b><u>Oral Cavity and Pharynx</u></b>       |            |            |            |
| Female   | 5.63       | 4          | NC*        | Male  | 10.36      | 15         | 145        |
|  |            |            |            | Female                                      | 5.26       | 3          | NC*        |
|  |            |            |            | Total                                       | 15.62      | 18         | 115        |
| <b><u>Colon / Rectum</u></b>                         |            |            |            | <b><u>Ovary</u></b>                         |            |            |            |
| Male   | 43.61      | 49         | 112        | Female                                      | 12.13      | 11         | 91         |
| Female   | 42.74      | 36         | 84         |   |            |            |            |
| Total  | 86.36      | 85         | 98         |   |            |            |            |
| <b><u>Esophagus</u></b>                              |            |            |            | <b><u>Pancreas</u></b>                      |            |            |            |
| Male   | 6.13       | 6          | 98         | Male  | 7.28       | 9          | 124        |
| Female   | 2.09       | 4          | NC*        | Female                                      | 7.93       | 10         | 126        |
| Total  | 8.22       | 10         | 122        | Total                                       | 15.20      | 19         | 125        |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b>   |            |            |            | <b><u>Prostate</u></b>                      |            |            |            |
| Male   | 2.39       | 3          | NC*        | Male  | 108.29     | 121        | 112        |
| Female   | 1.87       | 3          | NC*        |   |            |            |            |
| Total  | 4.26       | 6          | 141        |   |            |            |            |
| <b><u>Kidney and Renal Pelvis</u></b>                |            |            |            | <b><u>Stomach</u></b>                       |            |            |            |
| Male   | 9.93       | 8          | 81         | Male  | 7.31       | 3          | NC*        |
| Female   | 6.48       | 10         | 154        | Female                                      | 4.58       | 3          | NC*        |
| Total  | 16.42      | 18         | 110        | Total                                       | 11.89      | 6          | 50         |
| <b><u>Larynx</u></b>                                 |            |            |            | <b><u>Testis</u></b>                        |            |            |            |
| Male   | 5.69       | 6          | 105        | Male  | 3.58       | 5          | 140        |
| Female   | 1.50       | 1          | NC*        |   |            |            |            |
| Total  | 7.19       | 7          | 97         |   |            |            |            |
| <b><u>Leukemia</u></b>                               |            |            |            | <b><u>Thyroid</u></b>                       |            |            |            |
| Male   | 7.93       | 6          | 76         | Male  | 2.13       | 3          | NC*        |
| Female   | 6.28       | 8          | 127        | Female                                      | 5.61       | 6          | 107        |
| Total  | 14.21      | 14         | 99         | Total                                       | 7.74       | 9          | 116        |
| <b><u>Liver and Intrahepatic Bile Ducts</u></b>      |            |            |            | <b><u>Uteri, Corpus and Uterus, NOS</u></b> |            |            |            |
| Male   | 3.88       | 2          | NC*        | Female                                      | 20.49      | 16         | 78         |
| Female   | 1.72       | 2          | NC*        |   |            |            |            |
| Total  | 5.59       | 4          | NC*        |   |            |            |            |
| <b><u>Lung and Bronchus</u></b>                      |            |            |            | <b><u>All Sites / Types</u></b>             |            |            |            |
| Male   | 55.29      | 70         | 127        | Male  | 348.58     | 388        | 111 #+     |
| Female   | 45.54      | 61         | 134 #+     | Female                                      | 334.14     | 351        | 105        |
| Total  | 100.83     | 131        | 130 ~+     | Total                                       | 682.72     | 739        | 108 #+     |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Deerfield

### Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--|------------|------------|------------|--|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b>                       |            |            |            | <b><u>Melanoma of Skin</u></b>         |            |            |            |
| Male   | 3.93       | 4          | NC*        | Male                                   | 2.64       | 2          | NC*        |
| Female   | 1.46       | 1          | NC*        | Female                                 | 1.96       | 2          | NC*        |
| Total  | 5.39       | 5          | 93         | Total                                  | 4.60       | 4          | NC*        |
| <b><u>Brain and Other Central Nervous System</u></b> |            |            |            | <b><u>Multiple Myeloma</u></b>         |            |            |            |
| Male   | 1.15       | 3          | NC*        | Male                                   | 0.78       | 1          | NC*        |
| Female   | 0.91       | 2          | NC*        | Female                                 | 0.67       | 0          | NC*        |
| Total  | 2.06       | 5          | 243        | Total                                  | 1.45       | 1          | NC*        |
| <b><u>Breast</u></b>                                 |            |            |            | <b><u>Non-Hodgkin('s) Lymphoma</u></b> |            |            |            |
| Male   | 0.19       | 0          | NC*        | Male                                   | 3.16       | 3          | NC*        |
| Female   | 24.08      | 14         | 58 #-      | Female                                 | 2.79       | 2          | NC*        |
| Total  | 24.27      | 14         | 58 #-      | Total                                  | 5.95       | 5          | 84         |
| <b><u>Cervix Uteri</u></b>                           |            |            |            | <b><u>Oral Cavity and Pharynx</u></b>  |            |            |            |
| Female   | 1.31       | 0          | NC*        | Male                                   | 2.51       | 1          | NC*        |
|  |            |            |            | Female                                 | 1.18       | 0          | NC*        |
|  |            |            |            | Total                                  | 3.69       | 1          | NC*        |
| <b><u>Colon / Rectum</u></b>                         |            |            |            | <b><u>Ovary</u></b>                    |            |            |            |
| Male   | 9.73       | 8          | 82         | Female                                 | 2.78       | 4          | NC*        |
| Female   | 9.14       | 4          | NC*        |  |            |            |            |
| Total  | 18.87      | 12         | 64         |  |            |            |            |
| <b><u>Esophagus</u></b>                              |            |            |            | <b><u>Pancreas</u></b>                 |            |            |            |
| Male   | 1.43       | 0          | NC*        | Male                                   | 1.66       | 2          | NC*        |
| Female   | 0.44       | 0          | NC*        | Female                                 | 1.69       | 1          | NC*        |
| Total  | 1.87       | 0          | NC*        | Total                                  | 3.35       | 3          | NC*        |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b>   |            |            |            | <b><u>Prostate</u></b>                 |            |            |            |
| Male   | 0.55       | 2          | NC*        | Male                                   | 24.10      | 16         | 66         |
| Female   | 0.42       | 0          | NC*        |  |            |            |            |
| Total  | 0.97       | 2          | NC*        |  |            |            |            |
| <b><u>Kidney and Renal Pelvis</u></b>                |            |            |            | <b><u>Stomach</u></b>                  |            |            |            |
| Male   | 2.35       | 2          | NC*        | Male                                   | 1.67       | 0          | NC*        |
| Female   | 1.44       | 1          | NC*        | Female                                 | 0.98       | 0          | NC*        |
| Total  | 3.79       | 3          | NC*        | Total                                  | 2.65       | 0          | NC*        |
| <b><u>Larynx</u></b>                                 |            |            |            | <b><u>Testis</u></b>                   |            |            |            |
| Male   | 1.34       | 0          | NC*        | Male                                   | 0.82       | 0          | NC*        |
| Female   | 0.34       | 0          | NC*        |  |            |            |            |
| Total  | 1.68       | 0          | NC*        |  |            |            |            |
| <b><u>Leukemia</u></b>                               |            |            |            | <b><u>Thyroid</u></b>                  |            |            |            |

|   |       |    |     |   |        |     |       |
|---|-------|----|-----|---|--------|-----|-------|
| Male  | 1.82  | 1  | NC* | Male  | 0.52   | 1   | NC*   |
| Female  | 1.39  | 1  | NC* | Female                                      | 1.31   | 1   | NC*   |
| Total   | 3.22  | 2  | NC* | Total                                       | 1.83   | 2   | NC*   |
| <b><u>Liver and Intrahepatic Bile Ducts</u></b> |       |    |     | <b><u>Uteri, Corpus and Uterus, NOS</u></b> |        |     |       |
| Male  | 0.91  | 0  | NC* | Female                                      | 4.71   | 2   | NC*   |
| Female  | 0.37  | 0  | NC* |   |        |     |       |
| Total   | 1.28  | 0  | NC* |   |        |     |       |
| <b><u>Lung and Bronchus</u></b>                 |       |    |     | <b><u>All Sites / Types</u></b>             |        |     |       |
| Male  | 12.34 | 9  | 73  | Male  | 78.92  | 59  | 75 #- |
| Female  | 9.95  | 13 | 131 | Female                                      | 74.63  | 55  | 74 #- |
| Total   | 22.29 | 22 | 99  | Total                                       | 153.54 | 114 | 74 ~- |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Dennis

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <b><u>Exp</u></b> | <b><u>Obs</u></b> | <b><u>SIR</u></b> |  | <b><u>Exp</u></b> | <b><u>Obs</u></b> | <b><u>SIR</u></b> |
|--|-------------------|-------------------|-------------------|--|-------------------|-------------------|-------------------|
| <b><u>Bladder, Urinary</u></b>                       |                   |                   |                   | <b><u>Melanoma of Skin</u></b>         |                   |                   |                   |
| Male   | 20.03             | 32                | 160 #+            | Male                                   | 10.15             | 16                | 158               |
| Female   | 7.74              | 4                 | NC*               | Female                                 | 7.21              | 11                | 153               |
| Total  | 27.78             | 36                | 130               | Total                                  | 17.36             | 27                | 156 #+            |
| <b><u>Brain and Other Central Nervous System</u></b> |                   |                   |                   | <b><u>Multiple Myeloma</u></b>         |                   |                   |                   |
| Male   | 3.83              | 6                 | 157               | Male                                   | 3.53              | 8                 | 226               |
| Female   | 3.41              | 5                 | 147               | Female                                 | 3.21              | 6                 | 187               |
| Total  | 7.24              | 11                | 152               | Total                                  | 6.74              | 14                | 208 #+            |
| <b><u>Breast</u></b>                                 |                   |                   |                   | <b><u>Non-Hodgkin('s) Lymphoma</u></b> |                   |                   |                   |
| Male   | 0.83              | 3                 | NC*               | Male                                   | 12.81             | 16                | 125               |
| Female   | 93.29             | 122               | 131 ~+            | Female                                 | 12.81             | 13                | 102               |
| Total  | 94.12             | 125               | 133 ~+            | Total                                  | 25.61             | 29                | 113               |
| <b><u>Cervix Uteri</u></b>                           |                   |                   |                   | <b><u>Oral Cavity and Pharynx</u></b>  |                   |                   |                   |
| Female   | 3.99              | 6                 | 150               | Male                                   | 9.15              | 9                 | 98                |
|  |                   |                   |                   | Female                                 | 5.08              | 8                 | 157               |
|  |                   |                   |                   | Total                                  | 14.23             | 17                | 119               |
| <b><u>Colon / Rectum</u></b>                         |                   |                   |                   | <b><u>Ovary</u></b>                    |                   |                   |                   |
| Male   | 48.13             | 45                | 94                | Female                                 | 10.51             | 13                | 124               |
| Female   | 48.91             | 50                | 102               |  |                   |                   |                   |
| Total  | 97.03             | 95                | 98                |  |                   |                   |                   |
| <b><u>Esophagus</u></b>                              |                   |                   |                   | <b><u>Pancreas</u></b>                 |                   |                   |                   |
| Male   | 5.98              | 6                 | 100               | Male                                   | 7.73              | 6                 | 78                |
| Female   | 2.40              | 2                 | NC*               | Female                                 | 8.90              | 13                | 146               |
| Total  | 8.38              | 8                 | 96                | Total                                  | 16.63             | 19                | 114               |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b>   |                   |                   |                   | <b><u>Prostate</u></b>                 |                   |                   |                   |
| Male   | 1.46              | 1                 | NC*               | Male                                   | 107.12            | 136               | 127 ~+            |

|        |      |   |     |
|--------|------|---|-----|
| Female | 1.25 | 1 | NC* |
| Total  | 2.71 | 2 | NC* |

#### Kidney and Renal Pelvis

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 9.30  | 9  | 97  |
| Female | 6.29  | 8  | 127 |
| Total  | 15.59 | 17 | 109 |

#### Larynx

|        |      |   |     |
|--------|------|---|-----|
| Male   | 5.20 | 3 | NC* |
| Female | 1.36 | 3 | NC* |
| Total  | 6.57 | 6 | 91  |

#### Leukemia

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 7.71  | 9  | 117 |
| Female | 6.16  | 9  | 146 |
| Total  | 13.87 | 18 | 130 |

#### Liver and Intrahepatic Bile Ducts

|        |      |   |     |
|--------|------|---|-----|
| Male   | 3.63 | 4 | NC* |
| Female | 1.86 | 2 | NC* |
| Total  | 5.49 | 6 | 109 |

#### Lung and Bronchus

|        |        |     |     |
|--------|--------|-----|-----|
| Male   | 56.55  | 57  | 101 |
| Female | 45.05  | 55  | 122 |
| Total  | 101.61 | 112 | 110 |

#### Stomach

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 8.10  | 9  | 111 |
| Female | 5.30  | 4  | NC* |
| Total  | 13.40 | 13 | 97  |

#### Testis

|      |      |   |     |
|------|------|---|-----|
| Male | 1.65 | 1 | NC* |
|------|------|---|-----|

#### Thyroid

|        |      |   |     |
|--------|------|---|-----|
| Male   | 1.42 | 1 | NC* |
| Female | 3.62 | 1 | NC* |
| Total  | 5.04 | 2 | NC* |

#### Uteri, Corpus and Uterus, NOS

|        |       |    |    |
|--------|-------|----|----|
| Female | 18.39 | 12 | 65 |
|--------|-------|----|----|

#### All Sites / Types

|        |        |     |        |
|--------|--------|-----|--------|
| Male   | 348.44 | 396 | 114 #+ |
| Female | 322.97 | 385 | 119 ^+ |
| Total  | 671.41 | 781 | 116 ^+ |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Dighton

### Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|                                | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--------------------------------|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b> |            |            |            |
| Male                           | 4.24       | 3          | NC*        |
| Female                         | 1.47       | 2          | NC*        |
| Total                          | 5.71       | 5          | 88         |

#### **Brain and Other Central Nervous System**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 1.30 | 3 | NC* |
| Female | 0.96 | 0 | NC* |
| Total  | 2.26 | 3 | NC* |

#### **Breast**

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 0.20  | 1  | NC* |
| Female | 24.74 | 27 | 109 |
| Total  | 24.94 | 28 | 112 |

#### **Cervix Uteri**

|        |      |   |     |
|--------|------|---|-----|
| Female | 1.39 | 1 | NC* |
|--------|------|---|-----|

#### **Melanoma of Skin**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.90 | 1 | NC* |
| Female | 2.04 | 2 | NC* |
| Total  | 4.94 | 3 | NC* |

#### **Multiple Myeloma**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.84 | 1 | NC* |
| Female | 0.68 | 1 | NC* |
| Total  | 1.51 | 2 | NC* |

#### **Non-Hodgkin('s) Lymphoma**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 3.48 | 4 | NC* |
| Female | 2.85 | 3 | NC* |
| Total  | 6.33 | 7 | 111 |

#### **Oral Cavity and Pharynx**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.73 | 5 | 183 |
| Female | 1.21 | 0 | NC* |

|  |       |    |     |   |        |     |     |
|--|-------|----|-----|---|--------|-----|-----|
|  |       |    |     | Total                                       | 3.94   | 5   | 127 |
| <b><u>Colon / Rectum</u></b>                       |       |    |     | <b><u>Ovary</u></b>                         |        |     |     |
| Male   | 10.53 | 8  | 76  |   |        |     |     |
| Female   | 9.20  | 8  | 87  | Female                                      | 2.87   | 4   | NC* |
| Total  | 19.73 | 16 | 81  |   |        |     |     |
| <b><u>Esophagus</u></b>                            |       |    |     | <b><u>Pancreas</u></b>                      |        |     |     |
| Male   | 1.55  | 1  | NC* | Male  | 1.80   | 0   | NC* |
| Female   | 0.45  | 0  | NC* | Female                                      | 1.70   | 2   | NC* |
| Total  | 2.00  | 1  | NC* | Total                                       | 3.50   | 2   | NC* |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b> |       |    |     | <b><u>Prostate</u></b>                      |        |     |     |
| Male   | 0.65  | 0  | NC* | Male  | 26.30  | 29  | 110 |
| Female   | 0.46  | 1  | NC* |   |        |     |     |
| Total  | 1.11  | 1  | NC* |   |        |     |     |
| <b><u>Kidney and Renal Pelvis</u></b>              |       |    |     | <b><u>Stomach</u></b>                       |        |     |     |
| Male   | 2.55  | 0  | NC* | Male  | 1.81   | 2   | NC* |
| Female   | 1.47  | 2  | NC* | Female                                      | 1.00   | 1   | NC* |
| Total  | 4.02  | 2  | NC* | Total                                       | 2.80   | 3   | NC* |
| <b><u>Larynx</u></b>                               |       |    |     | <b><u>Testis</u></b>                        |        |     |     |
| Male   | 1.46  | 0  | NC* | Male  | 0.98   | 1   | NC* |
| Female   | 0.34  | 1  | NC* |   |        |     |     |
| Total  | 1.80  | 1  | NC* |   |        |     |     |
| <b><u>Leukemia</u></b>                             |       |    |     | <b><u>Thyroid</u></b>                       |        |     |     |
| Male   | 2.03  | 3  | NC* | Male  | 0.58   | 1   | NC* |
| Female   | 1.46  | 1  | NC* | Female                                      | 1.41   | 1   | NC* |
| Total  | 3.49  | 4  | NC* | Total                                       | 1.99   | 2   | NC* |
| <b><u>Liver and Intrahepatic Bile Ducts</u></b>    |       |    |     | <b><u>Uteri, Corpus and Uterus, NOS</u></b> |        |     |     |
| Male   | 0.99  | 0  | NC* |   |        |     |     |
| Female   | 0.37  | 0  | NC* | Female                                      | 4.81   | 3   | NC* |
| Total  | 1.36  | 0  | NC* |   |        |     |     |
| <b><u>Lung and Bronchus</u></b>                    |       |    |     | <b><u>All Sites / Types</u></b>             |        |     |     |
| Male   | 13.41 | 9  | 67  | Male  | 86.13  | 75  | 87  |
| Female   | 10.04 | 12 | 120 | Female                                      | 76.34  | 73  | 96  |
| Total  | 23.45 | 21 | 90  | Total                                       | 162.47 | 148 | 91  |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Douglas

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|                                | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |                                | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--------------------------------|------------|------------|------------|--------------------------------|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b> |            |            |            | <b><u>Melanoma of Skin</u></b> |            |            |            |
| Male                           | 3.24       | 5          | 154        | Male                           | 2.41       | 2          | NC*        |
| Female                         | 1.21       | 0          | NC*        | Female                         | 1.80       | 0          | NC*        |
| Total                          | 4.44       | 5          | 112        | Total                          | 4.21       | 2          | NC*        |

**Brain and Other Central Nervous System**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 1.14 | 1 | NC* |
| Female | 0.87 | 1 | NC* |
| Total  | 2.02 | 2 | NC* |

**Breast**

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 0.16  | 0  | NC* |
| Female | 20.60 | 24 | 117 |
| Total  | 20.76 | 24 | 116 |

**Cervix Uteri**

|        |      |   |     |
|--------|------|---|-----|
| Female | 1.27 | 1 | NC* |
|--------|------|---|-----|

**Colon / Rectum**

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 8.10  | 10 | 123 |
| Female | 7.63  | 3  | NC* |
| Total  | 15.73 | 13 | 83  |

**Esophagus**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 1.23 | 0 | NC* |
| Female | 0.37 | 0 | NC* |
| Total  | 1.60 | 0 | NC* |

**Hodgkin's Disease (Hodgkin Lymphoma)**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.62 | 2 | NC* |
| Female | 0.46 | 0 | NC* |
| Total  | 1.08 | 2 | NC* |

**Kidney and Renal Pelvis**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.08 | 2 | NC* |
| Female | 1.21 | 2 | NC* |
| Total  | 3.29 | 4 | NC* |

**Larynx**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 1.18 | 1 | NC* |
| Female | 0.27 | 0 | NC* |
| Total  | 1.45 | 1 | NC* |

**Leukemia**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 1.69 | 4 | NC* |
| Female | 1.30 | 1 | NC* |
| Total  | 2.99 | 5 | 167 |

**Liver and Intrahepatic Bile Ducts**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.80 | 0 | NC* |
| Female | 0.31 | 0 | NC* |
| Total  | 1.11 | 0 | NC* |

**Lung and Bronchus**

|        |       |    |    |
|--------|-------|----|----|
| Male   | 10.40 | 8  | 77 |
| Female | 8.00  | 6  | 75 |
| Total  | 18.40 | 14 | 76 |

**Multiple Myeloma**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.66 | 1 | NC* |
| Female | 0.55 | 1 | NC* |
| Total  | 1.21 | 2 | NC* |

**Non-Hodgkin('s) Lymphoma**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.90 | 5 | 173 |
| Female | 2.40 | 2 | NC* |
| Total  | 5.30 | 7 | 132 |

**Oral Cavity and Pharynx**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.27 | 3 | NC* |
| Female | 1.00 | 1 | NC* |
| Total  | 3.27 | 4 | NC* |

**Ovary**

|        |      |   |     |
|--------|------|---|-----|
| Female | 2.44 | 1 | NC* |
|--------|------|---|-----|

**Pancreas**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 1.40 | 1 | NC* |
| Female | 1.38 | 1 | NC* |
| Total  | 2.78 | 2 | NC* |

**Prostate**

|      |       |    |    |
|------|-------|----|----|
| Male | 20.41 | 19 | 93 |
|------|-------|----|----|

**Stomach**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 1.41 | 3 | NC* |
| Female | 0.83 | 0 | NC* |
| Total  | 2.24 | 3 | NC* |

**Testis**

|      |      |   |     |
|------|------|---|-----|
| Male | 0.98 | 0 | NC* |
|------|------|---|-----|

**Thyroid**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.53 | 0 | NC* |
| Female | 1.34 | 3 | NC* |
| Total  | 1.87 | 3 | NC* |

**Uteri, Corpus and Uterus, NOS**

|        |      |   |     |
|--------|------|---|-----|
| Female | 3.90 | 2 | NC* |
|--------|------|---|-----|

**All Sites / Types**

|        |        |     |     |
|--------|--------|-----|-----|
| Male   | 68.31  | 72  | 105 |
| Female | 63.77  | 55  | 86  |
| Total  | 132.09 | 127 | 96  |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Dover

### Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |   | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--|------------|------------|------------|---|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b>                       |            |            |            | <b><u>Melanoma of Skin</u></b>              |            |            |            |
| Male   | 4.41       | 2          | NC*        | Male  | 2.96       | 1          | NC*        |
| Female   | 1.35       | 0          | NC*        | Female                                      | 2.00       | 3          | NC*        |
| Total  | 5.76       | 2          | NC*        | Total                                       | 4.96       | 4          | NC*        |
| <b><u>Brain and Other Central Nervous System</u></b> |            |            |            | <b><u>Multiple Myeloma</u></b>              |            |            |            |
| Male   | 1.30       | 1          | NC*        | Male  | 0.89       | 2          | NC*        |
| Female   | 0.94       | 3          | NC*        | Female                                      | 0.66       | 1          | NC*        |
| Total  | 2.24       | 4          | NC*        | Total                                       | 1.54       | 3          | NC*        |
| <b><u>Breast</u></b>                                 |            |            |            | <b><u>Non-Hodgkin('s) Lymphoma</u></b>      |            |            |            |
| Male   | 0.21       | 0          | NC*        | Male  | 3.51       | 2          | NC*        |
| Female   | 25.44      | 28         | 110        | Female                                      | 2.71       | 2          | NC*        |
| Total  | 25.65      | 28         | 109        | Total                                       | 6.22       | 4          | NC*        |
| <b><u>Cervix Uteri</u></b>                           |            |            |            | <b><u>Oral Cavity and Pharynx</u></b>       |            |            |            |
| Female   | 1.36       | 0          | NC*        | Male  | 2.96       | 1          | NC*        |
|  |            |            |            | Female                                      | 1.21       | 2          | NC*        |
|  |            |            |            | Total                                       | 4.16       | 3          | NC*        |
| <b><u>Colon / Rectum</u></b>                         |            |            |            | <b><u>Ovary</u></b>                         |            |            |            |
| Male   | 11.05      | 7          | 63         | Female                                      | 2.92       | 1          | NC*        |
| Female   | 8.34       | 8          | 96         |   |            |            |            |
| Total  | 19.39      | 15         | 77         |   |            |            |            |
| <b><u>Esophagus</u></b>                              |            |            |            | <b><u>Pancreas</u></b>                      |            |            |            |
| Male   | 1.70       | 1          | NC*        | Male  | 1.92       | 1          | NC*        |
| Female   | 0.41       | 0          | NC*        | Female                                      | 1.57       | 1          | NC*        |
| Total  | 2.11       | 1          | NC*        | Total                                       | 3.49       | 2          | NC*        |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b>   |            |            |            | <b><u>Prostate</u></b>                      |            |            |            |
| Male   | 0.56       | 1          | NC*        | Male  | 29.31      | 31         | 106        |
| Female   | 0.40       | 0          | NC*        |   |            |            |            |
| Total  | 0.96       | 1          | NC*        |   |            |            |            |
| <b><u>Kidney and Renal Pelvis</u></b>                |            |            |            | <b><u>Stomach</u></b>                       |            |            |            |
| Male   | 2.71       | 3          | NC*        | Male  | 1.89       | 0          | NC*        |
| Female   | 1.46       | 0          | NC*        | Female                                      | 0.89       | 0          | NC*        |
| Total  | 4.17       | 3          | NC*        | Total                                       | 2.78       | 0          | NC*        |
| <b><u>Larynx</u></b>                                 |            |            |            | <b><u>Testis</u></b>                        |            |            |            |
| Male   | 1.61       | 0          | NC*        | Male  | 0.72       | 1          | NC*        |
| Female   | 0.37       | 0          | NC*        |   |            |            |            |
| Total  | 1.97       | 0          | NC*        |   |            |            |            |
| <b><u>Leukemia</u></b>                               |            |            |            | <b><u>Thyroid</u></b>                       |            |            |            |
| Male   | 2.03       | 3          | NC*        | Male  | 0.56       | 0          | NC*        |
| Female   | 1.39       | 0          | NC*        | Female                                      | 1.34       | 1          | NC*        |
| Total  | 3.42       | 3          | NC*        | Total                                       | 1.91       | 1          | NC*        |
| <b><u>Liver and Intrahepatic Bile Ducts</u></b>      |            |            |            | <b><u>Uteri, Corpus and Uterus, NOS</u></b> |            |            |            |
| Male   | 1.06       | 1          | NC*        | Female                                      | 5.07       | 4          | NC*        |
| Female   | 0.35       | 1          | NC*        |   |            |            |            |
| Total  | 1.41       | 2          | NC*        |   |            |            |            |
| <b><u>Lung and Bronchus</u></b>                      |            |            |            | <b><u>All Sites / Types</u></b>             |            |            |            |
| Male   | 14.49      | 2          | NC*        | Male  | 91.68      | 65         | 71 ~-      |

|        |       |   |       |
|--------|-------|---|-------|
| Female | 10.08 | 5 | 50    |
| Total  | 24.57 | 7 | 28 ^- |

|        |        |     |       |
|--------|--------|-----|-------|
| Female | 75.28  | 63  | 84    |
| Total  | 166.96 | 128 | 77 ~- |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Dracut

### Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--|------------|------------|------------|--|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b>                       |            |            |            | <b><u>Melanoma of Skin</u></b>         |            |            |            |
| Male   | 14.38      | 17         | 118        | Male                                   | 10.79      | 4          | NC*        |
| Female   | 5.56       | 5          | 90         | Female                                 | 8.68       | 7          | 81         |
| Total  | 19.94      | 22         | 110        | Total                                  | 19.47      | 11         | 56         |
| <b><u>Brain and Other Central Nervous System</u></b> |            |            |            | <b><u>Multiple Myeloma</u></b>         |            |            |            |
| Male   | 5.13       | 4          | NC*        | Male                                   | 2.94       | 4          | NC*        |
| Female   | 4.18       | 5          | 120        | Female                                 | 2.64       | 6          | 227        |
| Total  | 9.30       | 9          | 97         | Total                                  | 5.58       | 10         | 179        |
| <b><u>Breast</u></b>                                 |            |            |            | <b><u>Non-Hodgkin('s) Lymphoma</u></b> |            |            |            |
| Male   | 0.72       | 1          | NC*        | Male                                   | 12.88      | 11         | 85         |
| Female   | 100.92     | 85         | 84         | Female                                 | 11.53      | 13         | 113        |
| Total  | 101.63     | 86         | 85         | Total                                  | 24.41      | 24         | 98         |
| <b><u>Cervix Uteri</u></b>                           |            |            |            | <b><u>Oral Cavity and Pharynx</u></b>  |            |            |            |
| Female   | 6.27       | 7          | 112        | Male                                   | 10.12      | 12         | 119        |
|  |            |            |            | Female                                 | 4.83       | 6          | 124        |
|  |            |            |            | Total                                  | 14.95      | 18         | 120        |
| <b><u>Colon / Rectum</u></b>                         |            |            |            | <b><u>Ovary</u></b>                    |            |            |            |
| Male   | 36.30      | 34         | 94         | Female                                 | 11.96      | 14         | 117        |
| Female   | 34.84      | 36         | 103        |  |            |            |            |
| Total  | 71.15      | 70         | 98         |  |            |            |            |
| <b><u>Esophagus</u></b>                              |            |            |            | <b><u>Pancreas</u></b>                 |            |            |            |
| Male   | 5.56       | 5          | 90         | Male                                   | 6.26       | 5          | 80         |
| Female   | 1.69       | 1          | NC*        | Female                                 | 6.49       | 10         | 154        |
| Total  | 7.24       | 6          | 83         | Total                                  | 12.75      | 15         | 118        |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b>   |            |            |            | <b><u>Prostate</u></b>                 |            |            |            |
| Male   | 2.79       | 1          | NC*        | Male                                   | 94.60      | 59         | 62 ^-      |
| Female   | 2.21       | 4          | NC*        |  |            |            |            |
| Total  | 5.00       | 5          | 100        |  |            |            |            |
| <b><u>Kidney and Renal Pelvis</u></b>                |            |            |            | <b><u>Stomach</u></b>                  |            |            |            |
| Male   | 9.37       | 6          | 64         | Male                                   | 6.17       | 2          | NC*        |
| Female   | 5.90       | 7          | 119        | Female                                 | 3.73       | 7          | 188        |
| Total  | 15.27      | 13         | 85         | Total                                  | 9.90       | 9          | 91         |
| <b><u>Larynx</u></b>                                 |            |            |            | <b><u>Testis</u></b>                   |            |            |            |
| Male   | 5.35       | 5          | 93         | Male                                   | 4.49       | 6          | 134        |
| Female   | 1.39       | 3          | NC*        |  |            |            |            |

|   |       |     |        |
|---|-------|-----|--------|
| Total   | 6.75  | 8   | 119    |
| <b><u>Leukemia</u></b>                          |       |     |        |
| Male  | 7.47  | 7   | 94     |
| Female  | 5.87  | 4   | NC*    |
| Total   | 13.34 | 11  | 82     |
| <b><u>Liver and Intrahepatic Bile Ducts</u></b> |       |     |        |
| Male  | 3.62  | 4   | NC*    |
| Female  | 1.45  | 2   | NC*    |
| Total   | 5.08  | 6   | 118    |
| <b><u>Lung and Bronchus</u></b>                 |       |     |        |
| Male  | 47.84 | 62  | 130    |
| Female  | 40.35 | 50  | 124    |
| Total   | 88.18 | 112 | 127 #+ |

|   |        |     |       |
|---|--------|-----|-------|
| <b><u>Thyroid</u></b>                       |        |     |       |
| Male  | 2.38   | 3   | NC*   |
| Female                                      | 6.58   | 3   | NC*   |
| Total                                       | 8.96   | 6   | 67    |
| <b><u>Uteri, Corpus and Uterus, NOS</u></b> |        |     |       |
| Female                                      | 19.41  | 19  | 98    |
| <b><u>All Sites / Types</u></b>             |        |     |       |
| Male  | 309.99 | 267 | 86 #- |
| Female                                      | 307.53 | 316 | 103   |
| Total                                       | 617.52 | 583 | 94    |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Dudley

### Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--|------------|------------|------------|--|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b>                       |            |            |            | <b><u>Melanoma of Skin</u></b>         |            |            |            |
| Male   | 6.43       | 6          | 93         | Male                                   | 4.29       | 1          | NC*        |
| Female   | 2.36       | 1          | NC*        | Female                                 | 3.21       | 1          | NC*        |
| Total  | 8.79       | 7          | 80         | Total                                  | 7.49       | 2          | NC*        |
| <b><u>Brain and Other Central Nervous System</u></b> |            |            |            | <b><u>Multiple Myeloma</u></b>         |            |            |            |
| Male   | 1.94       | 1          | NC*        | Male                                   | 1.26       | 2          | NC*        |
| Female   | 1.55       | 0          | NC*        | Female                                 | 1.08       | 1          | NC*        |
| Total  | 3.49       | 1          | NC*        | Total                                  | 2.34       | 3          | NC*        |
| <b><u>Breast</u></b>                                 |            |            |            | <b><u>Non-Hodgkin('s) Lymphoma</u></b> |            |            |            |
| Male   | 0.30       | 0          | NC*        | Male                                   | 5.19       | 2          | NC*        |
| Female   | 38.66      | 41         | 106        | Female                                 | 4.59       | 7          | 153        |
| Total  | 38.96      | 41         | 105        | Total                                  | 9.78       | 9          | 92         |
| <b><u>Cervix Uteri</u></b>                           |            |            |            | <b><u>Oral Cavity and Pharynx</u></b>  |            |            |            |
| Female   | 2.19       | 2          | NC*        | Male                                   | 4.01       | 2          | NC*        |
|  |            |            |            | Female                                 | 1.91       | 0          | NC*        |
|  |            |            |            | Total                                  | 5.92       | 2          | NC*        |
| <b><u>Colon / Rectum</u></b>                         |            |            |            | <b><u>Ovary</u></b>                    |            |            |            |
| Male   | 15.99      | 16         | 100        | Female                                 | 4.51       | 5          | 111        |
| Female   | 14.80      | 11         | 74         |  |            |            |            |
| Total  | 30.79      | 27         | 88         |  |            |            |            |
| <b><u>Esophagus</u></b>                              |            |            |            | <b><u>Pancreas</u></b>                 |            |            |            |
| Male   | 2.31       | 3          | NC*        | Male                                   | 2.70       | 2          | NC*        |
| Female   | 0.72       | 0          | NC*        | Female                                 | 2.75       | 3          | NC*        |
| Total  | 3.03       | 3          | NC*        | Total                                  | 5.45       | 5          | 92         |

**Hodgkin's Disease (Hodgkin Lymphoma)**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.97 | 2 | NC* |
| Female | 0.74 | 1 | NC* |
| Total  | 1.72 | 3 | NC* |

**Kidney and Renal Pelvis**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 3.79 | 4 | NC* |
| Female | 2.34 | 3 | NC* |
| Total  | 6.14 | 7 | 114 |

**Larynx**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.17 | 4 | NC* |
| Female | 0.55 | 1 | NC* |
| Total  | 2.72 | 5 | 184 |

**Leukemia**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 3.06 | 3 | NC* |
| Female | 2.31 | 1 | NC* |
| Total  | 5.36 | 4 | NC* |

**Liver and Intrahepatic Bile Ducts**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 1.48 | 1 | NC* |
| Female | 0.60 | 1 | NC* |
| Total  | 2.08 | 2 | NC* |

**Lung and Bronchus**

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 20.44 | 21 | 103 |
| Female | 16.25 | 11 | 68  |
| Total  | 36.69 | 32 | 87  |

**Prostate**

|      |       |    |    |
|------|-------|----|----|
| Male | 40.18 | 35 | 87 |
|------|-------|----|----|

**Stomach**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.70 | 3 | NC* |
| Female | 1.59 | 0 | NC* |
| Total  | 4.29 | 3 | NC* |

**Testis**

|      |      |   |     |
|------|------|---|-----|
| Male | 1.46 | 2 | NC* |
|------|------|---|-----|

**Thyroid**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 0.85 | 2 | NC* |
| Female | 2.22 | 1 | NC* |
| Total  | 3.08 | 3 | NC* |

**Uteri, Corpus and Uterus, NOS**

|        |      |   |     |
|--------|------|---|-----|
| Female | 7.52 | 8 | 106 |
|--------|------|---|-----|

**All Sites / Types**

|        |        |     |    |
|--------|--------|-----|----|
| Male   | 130.28 | 121 | 93 |
| Female | 121.08 | 107 | 88 |
| Total  | 251.37 | 228 | 91 |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

**Dunstable**

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

|  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--|------------|------------|------------|--|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b>                       |            |            |            | <b><u>Melanoma of Skin</u></b>         |            |            |            |
| Male   | 1.21       | 0          | NC*        | Male                                   | 1.05       | 1          | NC*        |
| Female   | 0.38       | 0          | NC*        | Female                                 | 0.79       | 0          | NC*        |
| Total  | 1.58       | 0          | NC*        | Total                                  | 1.84       | 1          | NC*        |
| <b><u>Brain and Other Central Nervous System</u></b> |            |            |            | <b><u>Multiple Myeloma</u></b>         |            |            |            |
| Male   | 0.51       | 2          | NC*        | Male                                   | 0.27       | 0          | NC*        |
| Female   | 0.37       | 0          | NC*        | Female                                 | 0.20       | 0          | NC*        |
| Total  | 0.89       | 2          | NC*        | Total                                  | 0.47       | 0          | NC*        |
| <b><u>Breast</u></b>                                 |            |            |            | <b><u>Non-Hodgkin('s) Lymphoma</u></b> |            |            |            |
| Male   | 0.07       | 0          | NC*        | Male                                   | 1.22       | 2          | NC*        |
| Female   | 9.10       | 7          | 77         | Female                                 | 0.90       | 0          | NC*        |
| Total  | 9.17       | 7          | 76         | Total                                  | 2.12       | 2          | NC*        |

|  |      |   |     |   |       |    |     |
|--|------|---|-----|---|-------|----|-----|
| <b><u>Cervix Uteri</u></b>                         |      |   |     | <b><u>Oral Cavity and Pharynx</u></b>       |       |    |     |
| Female   | 0.61 | 0 | NC* | Male  | 1.04  | 3  | NC* |
|  |      |   |     | Female                                      | 0.41  | 0  | NC* |
|  |      |   |     | Total                                       | 1.45  | 3  | NC* |
| <b><u>Colon / Rectum</u></b>                       |      |   |     | <b><u>Ovary</u></b>                         |       |    |     |
| Male   | 3.09 | 3 | NC* | Female                                      | 1.08  | 1  | NC* |
| Female   | 2.33 | 3 | NC* |   |       |    |     |
| Total  | 5.42 | 6 | 111 |   |       |    |     |
| <b><u>Esophagus</u></b>                            |      |   |     | <b><u>Pancreas</u></b>                      |       |    |     |
| Male   | 0.53 | 0 | NC* | Male  | 0.56  | 1  | NC* |
| Female   | 0.11 | 0 | NC* | Female                                      | 0.44  | 0  | NC* |
| Total  | 0.65 | 0 | NC* | Total                                       | 1.00  | 1  | NC* |
| <b><u>Hodgkin's Disease (Hodgkin Lymphoma)</u></b> |      |   |     | <b><u>Prostate</u></b>                      |       |    |     |
| Male   | 0.28 | 0 | NC* | Male  | 8.54  | 10 | 117 |
| Female   | 0.21 | 0 | NC* |   |       |    |     |
| Total  | 0.48 | 0 | NC* |   |       |    |     |
| <b><u>Kidney and Renal Pelvis</u></b>              |      |   |     | <b><u>Stomach</u></b>                       |       |    |     |
| Male   | 0.91 | 0 | NC* | Male  | 0.55  | 0  | NC* |
| Female   | 0.48 | 0 | NC* | Female                                      | 0.25  | 0  | NC* |
| Total  | 1.39 | 0 | NC* | Total                                       | 0.80  | 0  | NC* |
| <b><u>Larynx</u></b>                               |      |   |     | <b><u>Testis</u></b>                        |       |    |     |
| Male   | 0.53 | 0 | NC* | Male  | 0.43  | 0  | NC* |
| Female   | 0.12 | 0 | NC* |   |       |    |     |
| Total  | 0.65 | 0 | NC* |   |       |    |     |
| <b><u>Leukemia</u></b>                             |      |   |     | <b><u>Thyroid</u></b>                       |       |    |     |
| Male   | 0.70 | 0 | NC* | Male  | 0.25  | 0  | NC* |
| Female   | 0.49 | 1 | NC* | Female                                      | 0.65  | 0  | NC* |
| Total  | 1.18 | 1 | NC* | Total                                       | 0.90  | 0  | NC* |
| <b><u>Liver and Intrahepatic Bile Ducts</u></b>    |      |   |     | <b><u>Uteri, Corpus and Uterus, NOS</u></b> |       |    |     |
| Male   | 0.35 | 0 | NC* | Female                                      | 1.74  | 2  | NC* |
| Female   | 0.10 | 0 | NC* |   |       |    |     |
| Total  | 0.45 | 0 | NC* |   |       |    |     |
| <b><u>Lung and Bronchus</u></b>                    |      |   |     | <b><u>All Sites / Types</u></b>             |       |    |     |
| Male   | 4.22 | 2 | NC* | Male  | 28.15 | 26 | 92  |
| Female   | 3.14 | 3 | NC* | Female                                      | 25.49 | 17 | 67  |
| Total  | 7.36 | 5 | 68  | Total                                       | 53.64 | 43 | 80  |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## Duxbury

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

| <u>Bladder, Urinary</u> | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> | <u>Melanoma of Skin</u> | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|-------------------------|------------|------------|------------|-------------------------|------------|------------|------------|
|-------------------------|------------|------------|------------|-------------------------|------------|------------|------------|

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 9.47  | 9  | 95  |
| Female | 3.50  | 8  | 228 |
| Total  | 12.97 | 17 | 131 |

#### **Brain and Other Central Nervous System**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 3.14 | 2 | NC* |
| Female | 2.43 | 1 | NC* |
| Total  | 5.57 | 3 | NC* |

#### **Breast**

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 0.48  | 2  | NC* |
| Female | 65.57 | 58 | 88  |
| Total  | 66.04 | 60 | 91  |

#### **Cervix Uteri**

|        |      |   |     |
|--------|------|---|-----|
| Female | 3.57 | 4 | NC* |
|--------|------|---|-----|

#### **Colon / Rectum**

|        |       |    |    |
|--------|-------|----|----|
| Male   | 23.81 | 22 | 92 |
| Female | 21.81 | 21 | 96 |
| Total  | 45.63 | 43 | 94 |

#### **Esophagus**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 3.83 | 4 | NC* |
| Female | 1.06 | 1 | NC* |
| Total  | 4.89 | 5 | 102 |

#### **Hodgkin's Disease (Hodgkin Lymphoma)**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 1.44 | 3 | NC* |
| Female | 1.08 | 1 | NC* |
| Total  | 2.51 | 4 | NC* |

#### **Kidney and Renal Pelvis**

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 6.27  | 4  | NC* |
| Female | 3.73  | 8  | 215 |
| Total  | 10.00 | 12 | 120 |

#### **Larynx**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 3.69 | 3 | NC* |
| Female | 0.91 | 0 | NC* |
| Total  | 4.60 | 3 | NC* |

#### **Leukemia**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 4.68 | 4 | NC* |
| Female | 3.65 | 5 | 137 |
| Total  | 8.33 | 9 | 108 |

#### **Liver and Intrahepatic Bile Ducts**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 2.43 | 0 | NC* |
| Female | 0.91 | 1 | NC* |
| Total  | 3.34 | 1 | NC* |

#### **Lung and Bronchus**

|        |       |    |       |
|--------|-------|----|-------|
| Male   | 31.55 | 18 | 57 #– |
| Female | 25.18 | 30 | 119   |
| Total  | 56.73 | 48 | 85    |

|        |       |    |     |
|--------|-------|----|-----|
| Male   | 6.93  | 13 | 187 |
| Female | 5.25  | 4  | NC* |
| Total  | 12.18 | 17 | 140 |

#### **Multiple Myeloma**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 1.98 | 3 | NC* |
| Female | 1.69 | 2 | NC* |
| Total  | 3.67 | 5 | 136 |

#### **Non-Hodgkin('s) Lymphoma**

|        |       |    |    |
|--------|-------|----|----|
| Male   | 8.13  | 6  | 74 |
| Female | 6.97  | 6  | 86 |
| Total  | 15.10 | 12 | 79 |

#### **Oral Cavity and Pharynx**

|        |       |   |     |
|--------|-------|---|-----|
| Male   | 6.97  | 3 | NC* |
| Female | 3.12  | 2 | NC* |
| Total  | 10.09 | 5 | 50  |

#### **Ovary**

|        |      |    |     |
|--------|------|----|-----|
| Female | 7.53 | 10 | 133 |
|--------|------|----|-----|

#### **Pancreas**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 4.22 | 3 | NC* |
| Female | 4.04 | 6 | 148 |
| Total  | 8.26 | 9 | 109 |

#### **Prostate**

|      |       |    |     |
|------|-------|----|-----|
| Male | 63.64 | 70 | 110 |
|------|-------|----|-----|

#### **Stomach**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 4.15 | 3 | NC* |
| Female | 2.35 | 0 | NC* |
| Total  | 6.50 | 3 | NC* |

#### **Testis**

|      |      |   |     |
|------|------|---|-----|
| Male | 1.97 | 5 | 254 |
|------|------|---|-----|

#### **Thyroid**

|        |      |   |     |
|--------|------|---|-----|
| Male   | 1.41 | 0 | NC* |
| Female | 3.57 | 6 | 168 |
| Total  | 4.98 | 6 | 120 |

#### **Uteri, Corpus and Uterus, NOS**

|        |       |    |    |
|--------|-------|----|----|
| Female | 12.91 | 12 | 93 |
|--------|-------|----|----|

#### **All Sites / Types**

|        |        |     |     |
|--------|--------|-----|-----|
| Male   | 203.25 | 190 | 93  |
| Female | 194.06 | 201 | 104 |
| Total  | 397.31 | 391 | 98  |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (Obs / Exp) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels